

4/12/05

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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	FEB 25	CA/CAPLUS - Russian Agency for Patents and Trademarks (ROSPATENT) added to list of core patent offices covered
NEWS	4	FEB 28	PATDPAFULL - New display fields provide for legal status data from INPADOC
NEWS	5	FEB 28	BABS - Current-awareness alerts (SDIs) available
NEWS	6	FEB 28	MEDLINE/LMEDLINE reloaded
NEWS	7	MAR 02	GBFULL: New full-text patent database on STN
NEWS	8	MAR 03	REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS	9	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	10	MAR 22	KOREAPAT now updated monthly; patent information enhanced
NEWS	11	MAR 22	Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS	12	MAR 22	PATDPASPC - New patent database available
NEWS	13	MAR 22	REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS	14	APR 04	EPFULL enhanced with additional patent information and new fields
NEWS	15	APR 04	EMBASE - Database reloaded and enhanced
NEWS EXPRESS			JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 14:31:03 ON 13 APR 2005

10796396

4/12/05

=> file registry
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 14:31:11 ON 13 APR 2005
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STRUCTURE FILE UPDATES: 12 APR 2005 HIGHEST RN 848391-87-7
DICTIONARY FILE UPDATES: 12 APR 2005 HIGHEST RN 848391-87-7

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

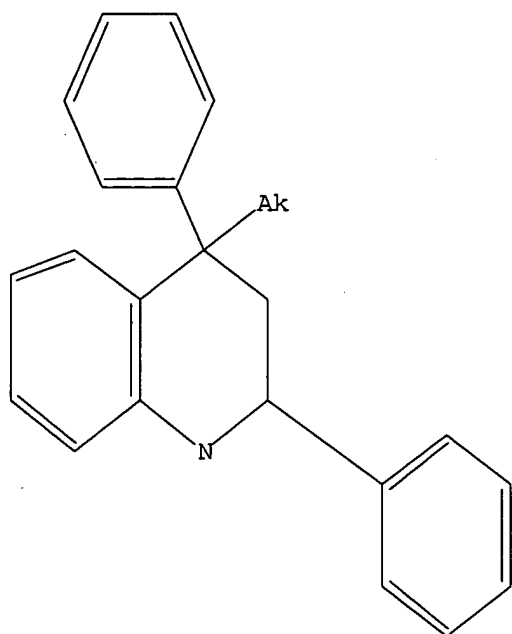
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L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR

10796396

4/12/05



G1 O,S,CH2

G2 C,N

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 14:31:34 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 4738 TO ITERATE

21.1% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

2 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 90633 TO 98887
PROJECTED ANSWERS: 5 TO 373

L2 2 SEA SSS SAM L1

=> s l1 ful

FULL SEARCH INITIATED 14:31:40 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 95702 TO ITERATE

100.0% PROCESSED 95702 ITERATIONS
SEARCH TIME: 00.00.03

119 ANSWERS

L3 119 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE
ENTRY

TOTAL
SESSION

10796396

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FULL ESTIMATED COST

161.33

161.54

FILE 'CAPLUS' ENTERED AT 14:31:47 ON 13 APR 2005
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FILE COVERS 1907 - 13 Apr 2005 VOL 142 ISS 16
FILE LAST UPDATED: 12 Apr 2005 (20050412/ED)

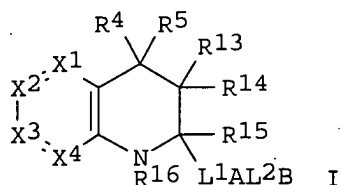
This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3

L4 10 L3

=> d abs bib hitstr 1-10

L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN
GI



AB Title compds. [I; L1 = bond, CH2, CH2CH2, CH2O, CH2CO, etc.; L2 = bond, O, CO, CO2, S, SO, SO2, CONR8, SO2NR8, etc.; A = (substituted) carbocyclylene, heterocyclylene; B = (substituted) alkyl, alkenyl, alkynyl, carbocyclyl, heterocyclyl; X1-X4 = CR1, CR2, N, etc.; R1 = H, F, Cl, Br, iodo, OCF3, CF3, cyano, NH2, alkylamino, dialkylamino, CONH2, CH2CH2NH2, etc.; R2 = H, F, Cl, Br, iodo, OCF3, CF3, cyano, NO2, amino, aminocarbonyl, (substituted) alkyl, alkenyl, alkynyl, carbocyclyl, heterocyclyl, etc.; R4 = H, F, haloalkyl, (substituted) alkyl, alkenyl, alkynyl, carbocyclyl, heterocyclyl, etc.; R5 = H, F, haloalkyl, (substituted) alkyl, alkenyl, alkynyl, heterocyclyl(alkyl), etc.; R13 = H, F, alkyl, aminoalkyl, CF3, aminocarbonyl, etc.; R14 = H, alkyl, aminoalkyl, F, CF3, aminocarbonyl, etc.; R13R14 = O; R15 = H, alkyl; R16 = H, alkyl, PhCH2, alkylcarbonyl, alkylsulfonyl, alkoxycarbonyl], were prepared Thus, 4-amidinobenzamidine monohydrochloride, styrene,

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1'-formyl-1-benzyloxycarbonyl-4-isobutylcarbamoylbiphenyl (preparation given) and indium triflate were heated together at 70° in MeCN for 12 h to give a product which was hydrogenolyzed in MeOH/HOAc over Pd/C to give 2'-(6-carbamimidoyl-4-phenyl-1,2,3,4-tetrahydroquinolin-2-yl)-4-isobutylcarbamoylbiphenyl-2-carboxylic acid. I inhibited Factor XIa with $K_i \leq 15 \mu\text{M}$.

AN 2004:780670 CAPLUS

DN 141:295874

TI Preparation of tetrahydroquinoline derivatives as inhibitors of serine protease enzymes of the coagulation cascade and/or contact activation system.

IN Quan, Mimi L.; Wang, Cailan; Zhou, Jinglan; Hangeland, Jon J.; Seiffert, Dietmar A.; Knabb, Robert M.

PA Bristol-Myers Squibb Company, USA

SO PCT Int. Appl., 150 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004080971	A1	20040923	WO 2004-US7216	20040310
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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	US 2004-796396	A	20040309		
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IT	762253-33-8P 762253-34-9P 762253-40-7P				
	762253-43-0P 762253-45-2P 762253-46-3P				
	762253-47-4P 762253-48-5P 762253-50-9P				
	762253-51-0P 762253-52-1P 762253-53-2P				
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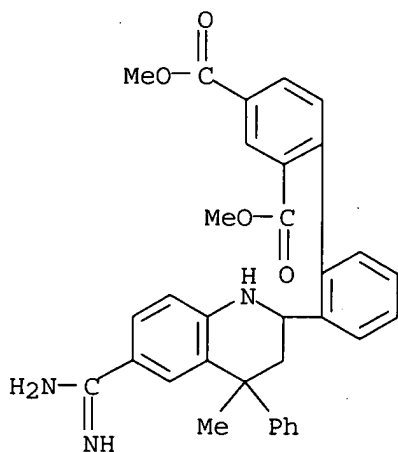
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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of carbaminidoyletetrahydroquinoline derivs. as inhibitors of serine protease enzymes of the coagulation cascade and/or contact activation system)

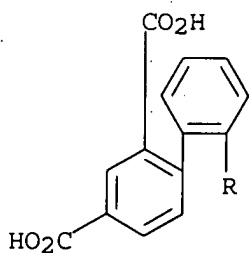
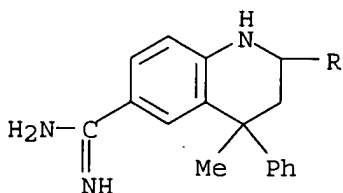
RN 762253-33-8 CAPLUS

CN [1,1'-Biphenyl]-2,4-dicarboxylic acid, 2'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-, dimethyl ester (9CI) (CA INDEX NAME)



RN 762253-34-9 CAPLUS

CN [1,1'-Biphenyl]-2,4-dicarboxylic acid, 2'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]- (9CI) (CA INDEX NAME)

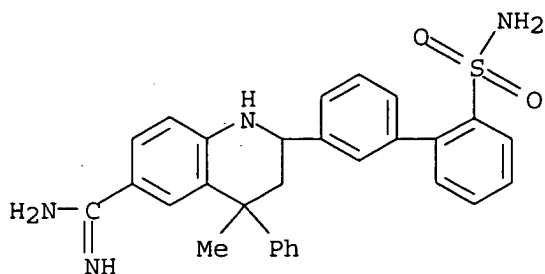


RN 762253-40-7 CAPLUS

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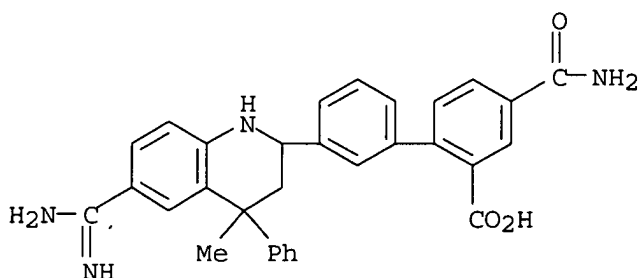
4/12/05

CN 6-Quinolinecarboximidamide, 2-[2'-(aminosulfonyl)[1,1'-biphenyl]-3-yl]-1,2,3,4-tetrahydro-4-methyl-4-phenyl- (9CI) (CA INDEX NAME)



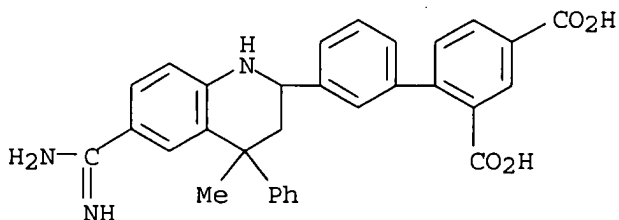
RN 762253-43-0 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]- (9CI) (CA INDEX NAME)



RN 762253-45-2 CAPLUS

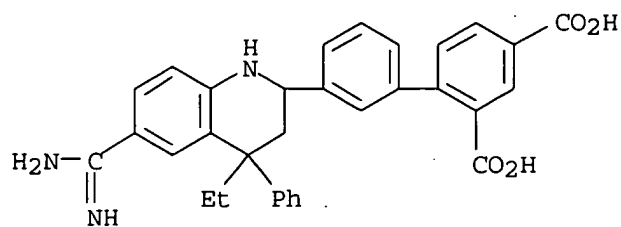
CN [1,1'-Biphenyl]-2,4-dicarboxylic acid, 3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]- (9CI) (CA INDEX NAME)



RN 762253-46-3 CAPLUS

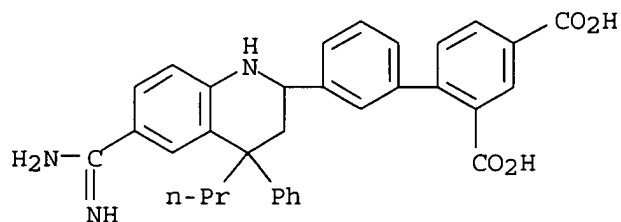
CN [1,1'-Biphenyl]-2,4-dicarboxylic acid, 3'-[6-(aminoiminomethyl)-4-ethyl-1,2,3,4-tetrahydro-4-phenyl-2-quinolinyl]- (9CI) (CA INDEX NAME)

4/12/05



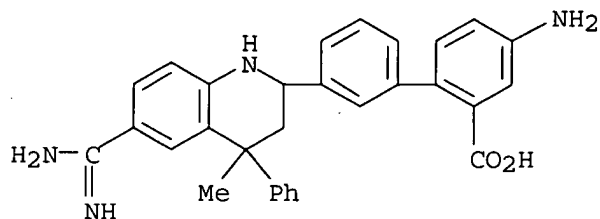
RN 762253-47-4 CAPLUS

CN [1,1'-Biphenyl]-2,4-dicarboxylic acid, 3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-phenyl-4-propyl-2-quinoliny]- (9CI) (CA INDEX NAME)



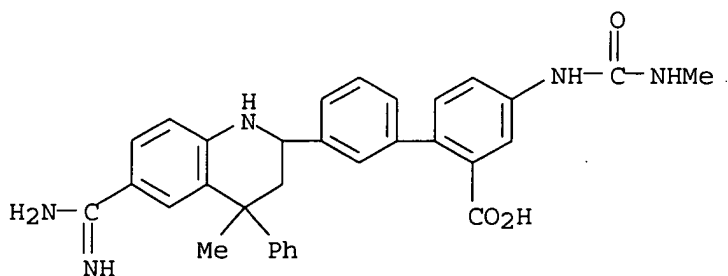
RN 762253-48-5 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 4-amino-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinoliny]- (9CI) (CA INDEX NAME)



RN 762253-50-9 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinoliny]-4-[[(methylamino) carbonyl] amino]- (9CI) (CA INDEX NAME)

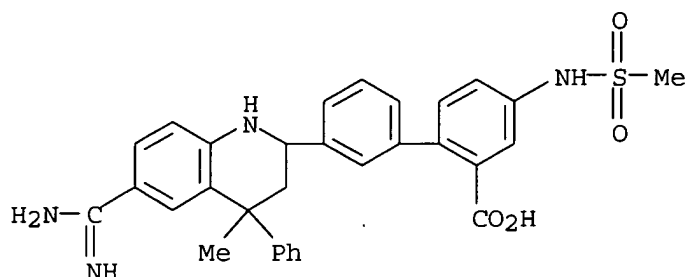


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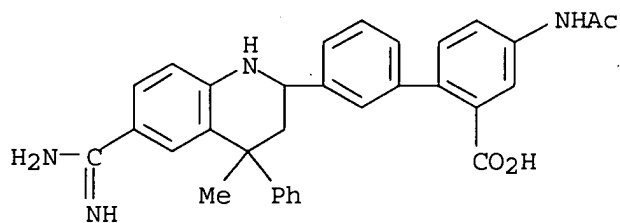
RN 762253-51-0 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-4-[(methylsulfonyl)amino]-(9CI) (CA INDEX NAME)



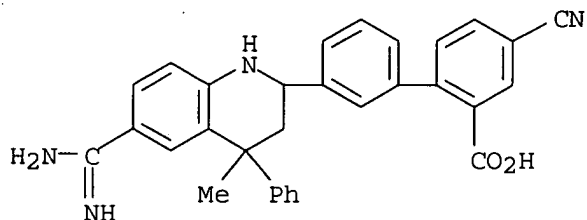
RN 762253-52-1 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(acetamino)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-(9CI) (CA INDEX NAME)



RN 762253-53-2 CAPLUS

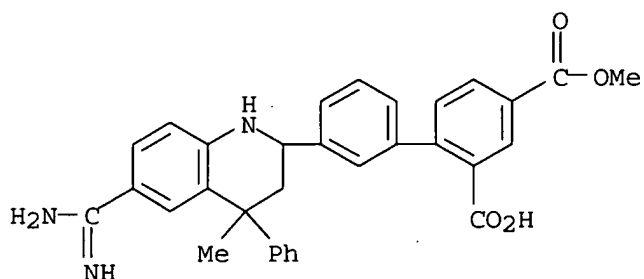
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RN 762253-54-3 CAPLUS

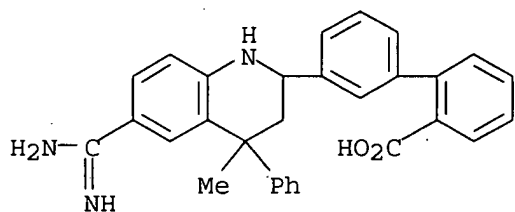
CN [1,1'-Biphenyl]-2,4-dicarboxylic acid, 3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-, 4-methyl ester (9CI) (CA INDEX NAME)

4/12/05



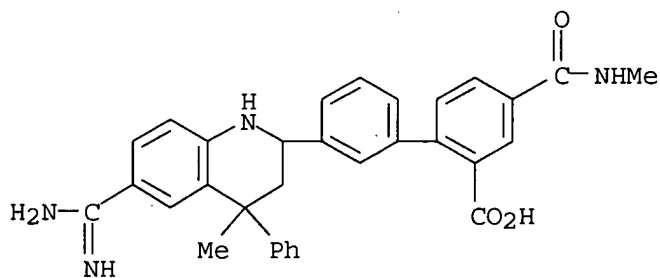
RN 762253-55-4 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]- (9CI) (CA INDEX NAME)



RN 762253-56-5 CAPLUS

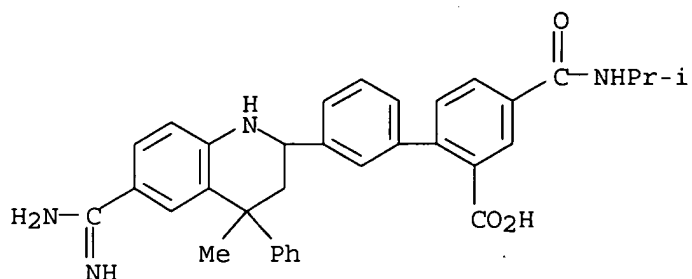
CN [1,1'-Biphenyl]-2-carboxylic acid, 3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-4-[(methylamino)carbonyl]- (9CI) (CA INDEX NAME)



RN 762253-57-6 CAPLUS

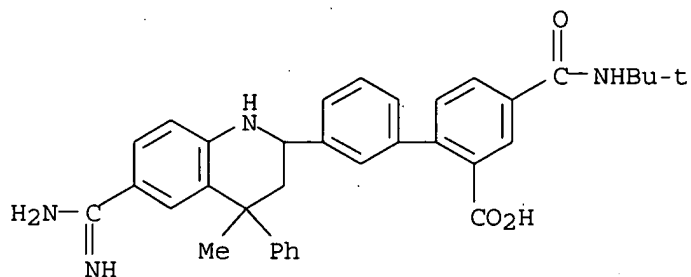
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4/12/05



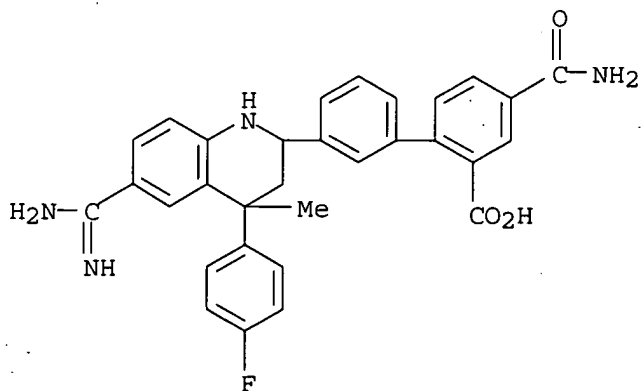
RN 762253-58-7 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-4-[[(1,1-dimethylethyl)amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 762253-59-8 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-4-(4-fluorophenyl)-1,2,3,4-tetrahydro-4-methyl-2-quinolinyl]- (9CI) (CA INDEX NAME)

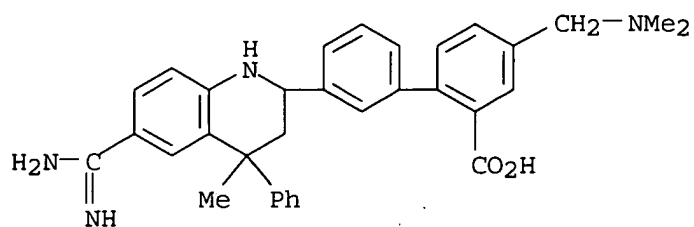


RN 762253-60-1 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-4-[(dimethylamino)methyl]- (9CI) (CA INDEX NAME)

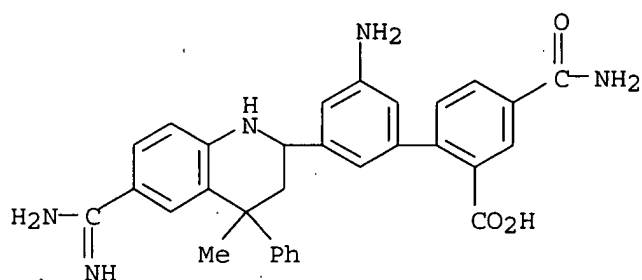
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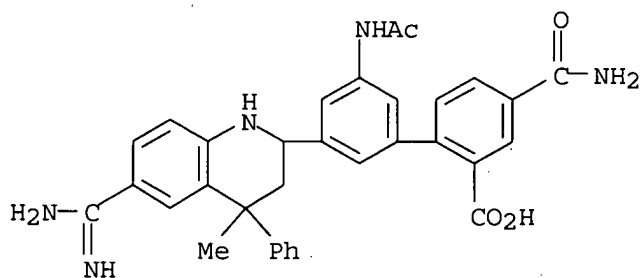
RN 762253-62-3 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 3'-amino-4-(aminocarbonyl)-5'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-(9CI) (CA INDEX NAME)



RN 762253-64-5 CAPLUS

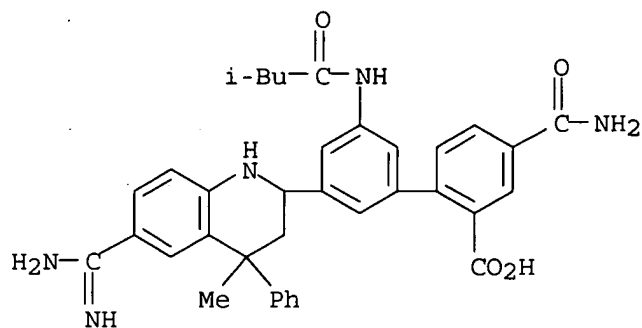
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RN 762253-65-6 CAPLUS

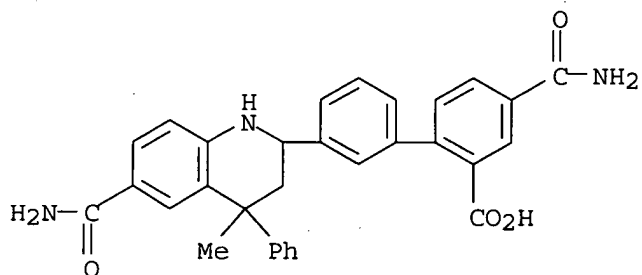
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(3-methyl-1-oxobutyl)amino]-(9CI) (CA INDEX NAME)

4/12/05



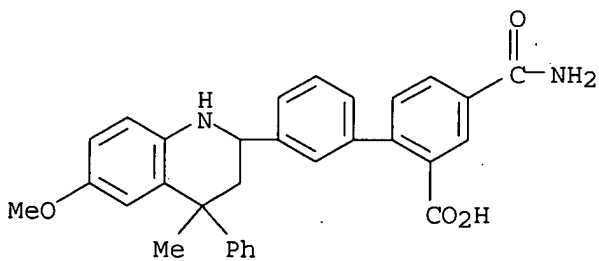
RN 762253-66-7 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminocarbonyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]- (9CI) (CA INDEX NAME)



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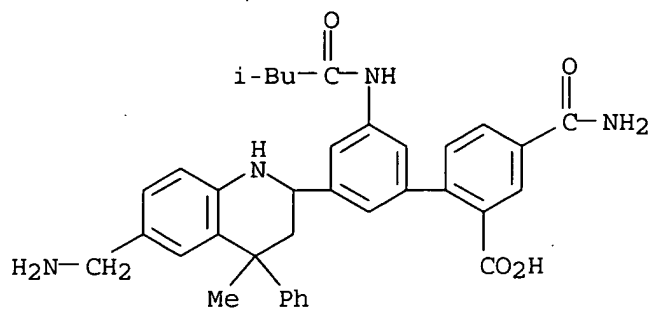
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-(1,2,3,4-tetrahydro-6-methoxy-4-methyl-4-phenyl-2-quinolinyl)- (9CI) (CA INDEX NAME)



RN 762253-68-9 CAPLUS

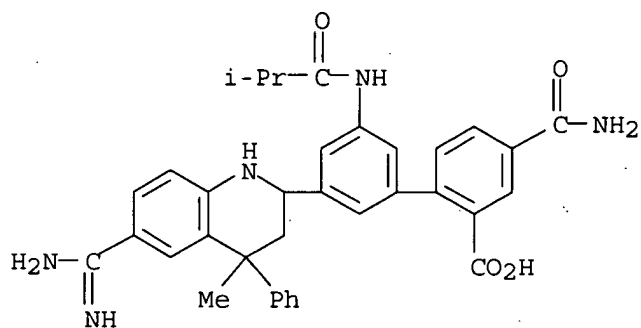
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(3-methyl-1-oxobutyl)amino]- (9CI) (CA INDEX NAME)

4/12/05



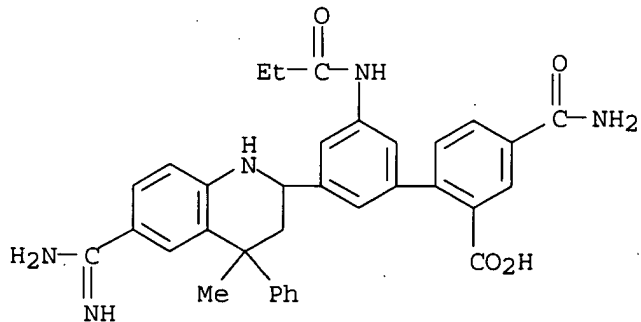
RN 762253-69-0 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(2-methyl-1-oxopropyl)amino]- (9CI) (CA INDEX NAME)



RN 762253-70-3 CAPLUS

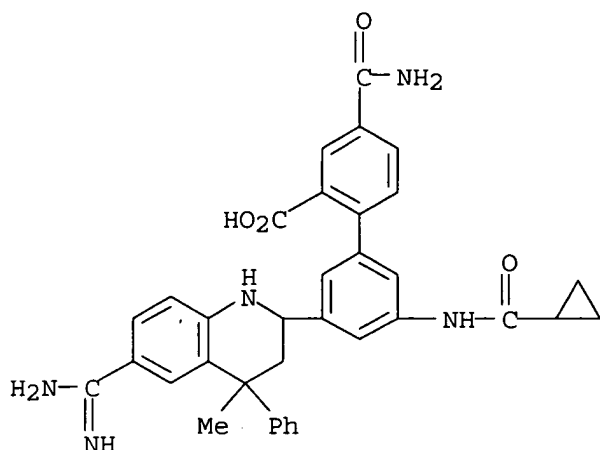
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(1-oxopropyl)amino]- (9CI) (CA INDEX NAME)



RN 762253-71-4 CAPLUS

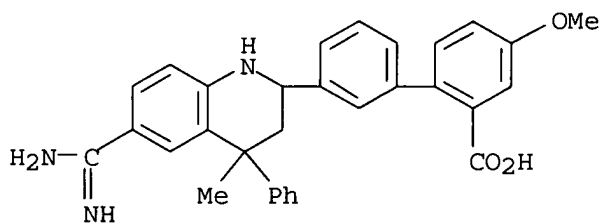
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(cyclopropylcarbonyl)amino]- (9CI) (CA INDEX NAME)

4/12/05



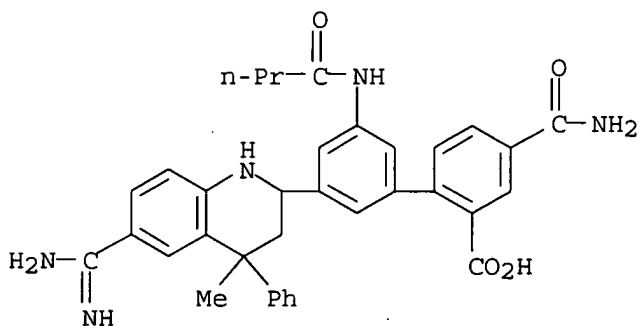
RN 762253-72-5 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-4-methoxy- (9CI) (CA INDEX NAME)



RN 762253-73-6 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(1-oxobutyl)amino]- (9CI) (CA INDEX NAME)

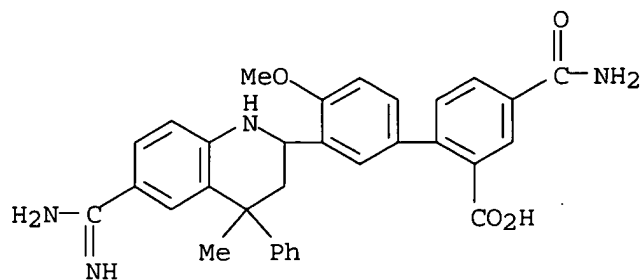


RN 762253-74-7 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-4'-methoxy- (9CI) (CA INDEX NAME)

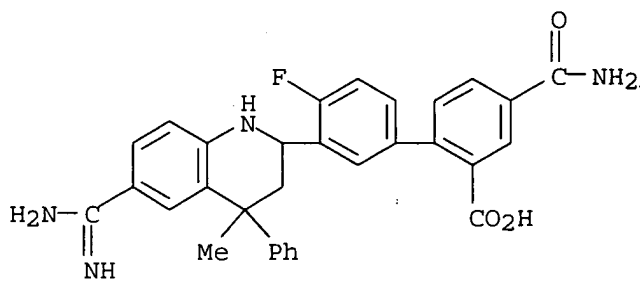
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4/12/05



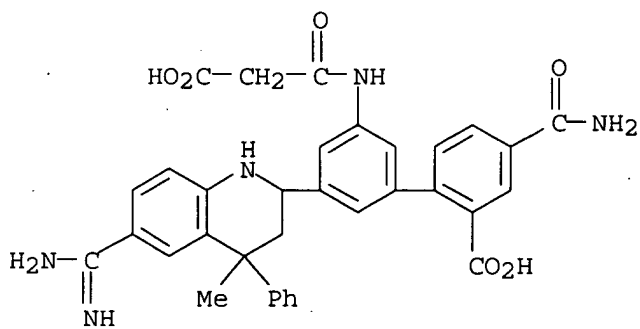
RN 762253-75-8 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoininomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-4'-fluoro- (9CI) (CA INDEX NAME)



RN 762253-76-9 CAPLUS

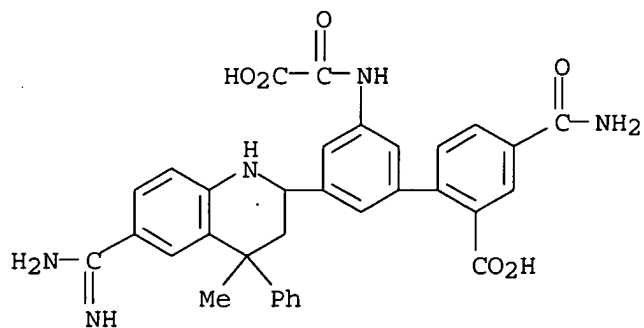
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoininomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(carboxyacetyl)amino]- (9CI) (CA INDEX NAME)



RN 762253-77-0 CAPLUS

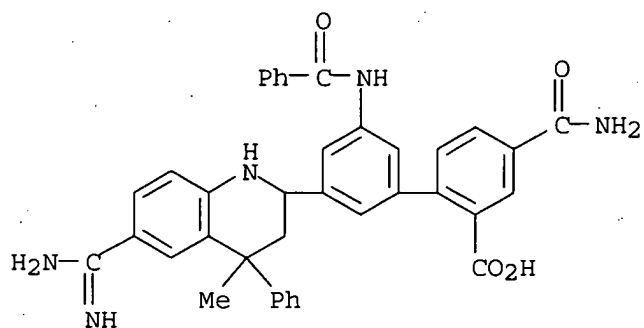
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoininomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(carboxycarbonyl)amino]- (9CI) (CA INDEX NAME)

4/12/05



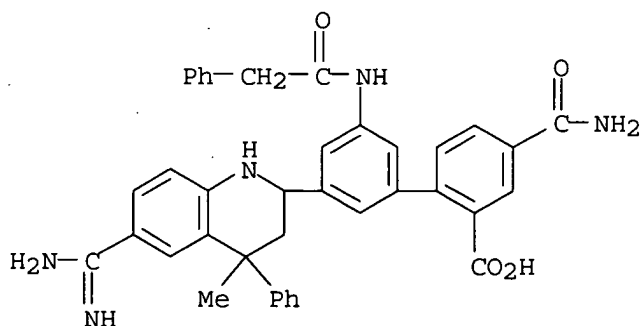
RN 762253-78-1 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-(benzoylamino)- (9CI) (CA INDEX NAME)



RN 762253-79-2 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-((phenylacetyl)amino)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'- (9CI) (CA INDEX NAME)

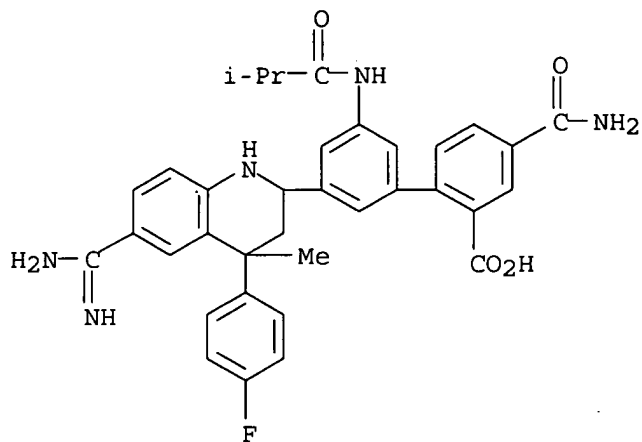


RN 762253-80-5 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-((2-methyl-1-oxopropyl)amino)-1,2,3,4-tetrahydro-4-methyl-2-quinolinyl]-5'- (9CI) (CA INDEX NAME)

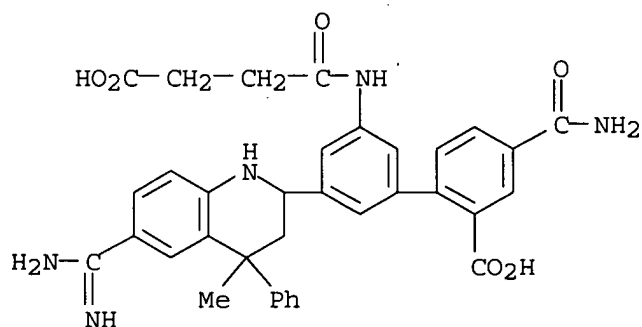
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4/12/05



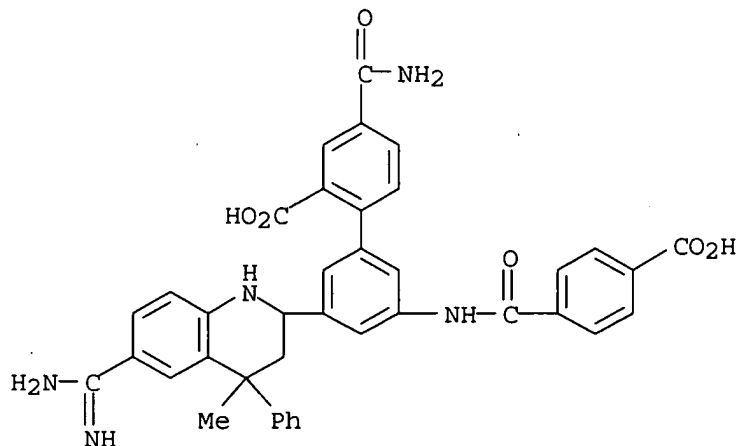
RN 762253-81-6 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(3-carboxy-1-oxopropyl)amino]- (9CI) (CA INDEX NAME)



RN 762253-82-7 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(4-carboxybenzoyl)amino]- (9CI) (CA INDEX NAME)

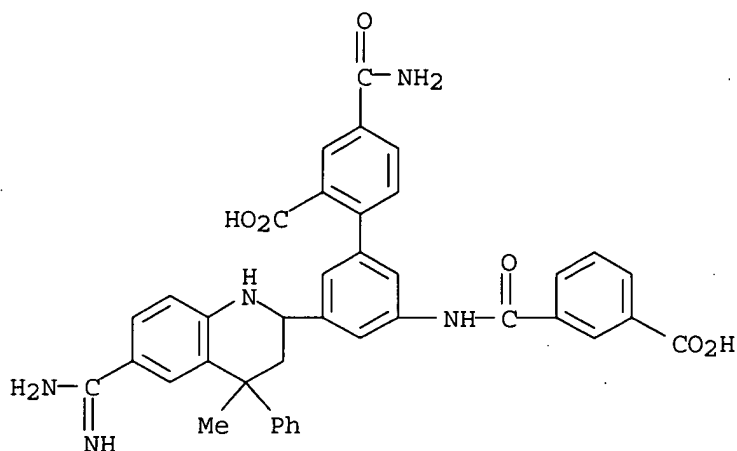


10796396

4/12/05

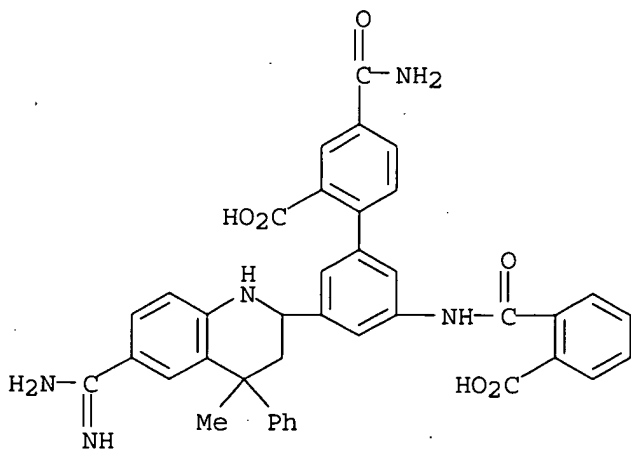
RN 762253-83-8 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(3-carboxybenzoyl)amino]- (9CI) (CA INDEX NAME)



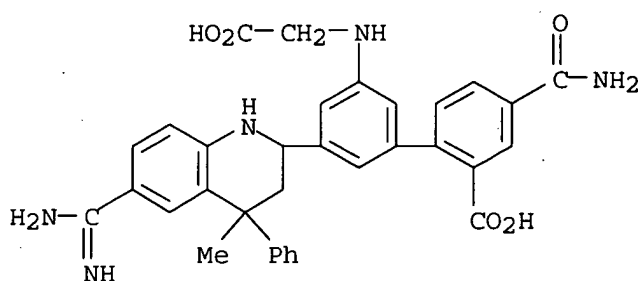
RN 762253-84-9 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(2-carboxybenzoyl)amino]- (9CI) (CA INDEX NAME)



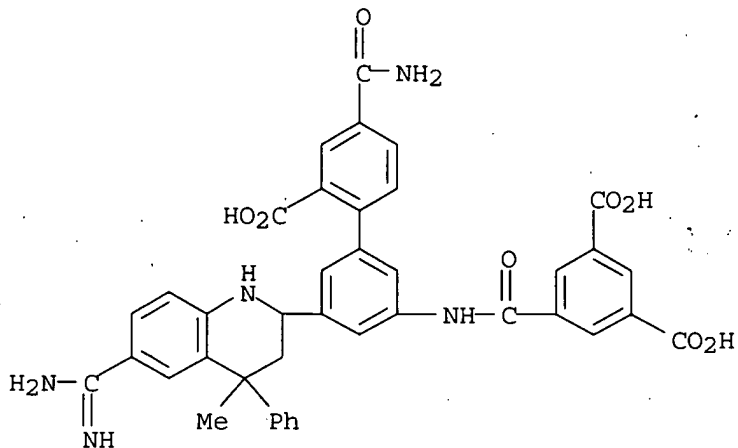
RN 762253-85-0 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(carboxymethyl)amino]- (9CI) (CA INDEX NAME)



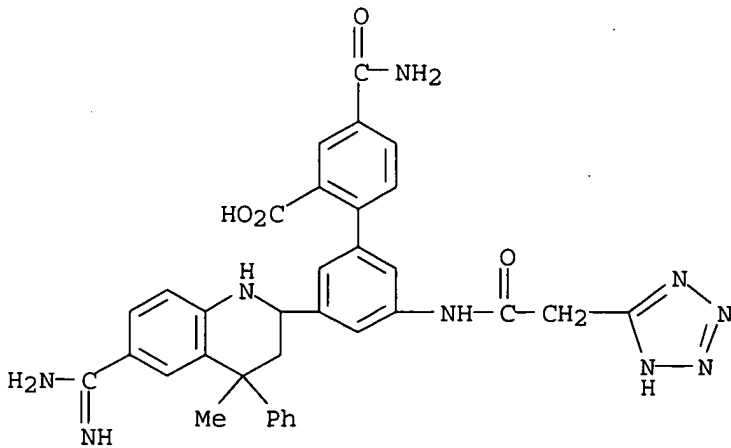
RN 762253-86-1 CAPLUS

CN 1,3-Benzenedicarboxylic acid, 5-[[[4'-(aminocarbonyl)-5-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-2'-carboxy[1,1'-biphenyl]-3-yl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 762253-87-2 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(1H-tetrazol-5-ylacetyl)amino]- (9CI) (CA INDEX NAME)

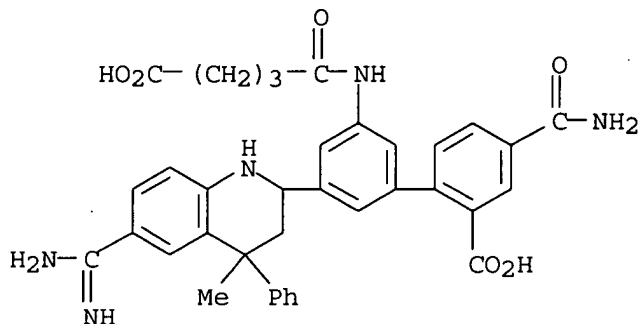


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4/12/05

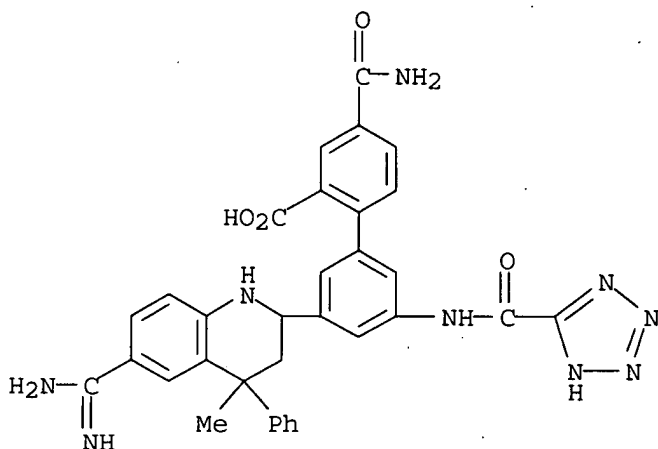
RN 762253-88-3 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(4-carboxy-1-oxobutyl)amino]- (9CI) (CA INDEX NAME)



RN 762253-89-4 CAPLUS

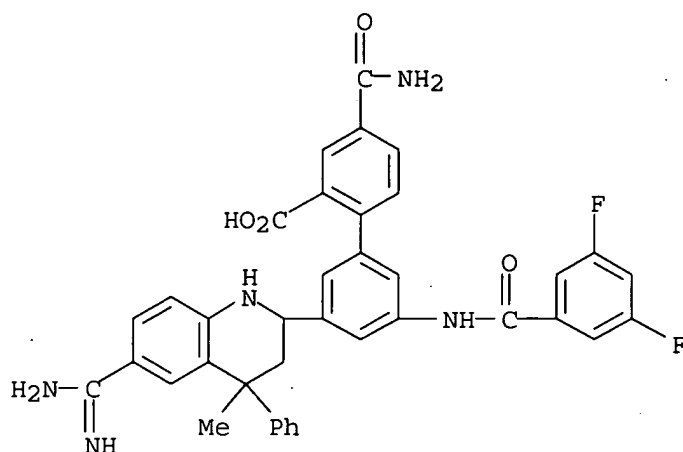
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(1H-tetrazol-5-ylcarbonyl)amino]- (9CI) (CA INDEX NAME)



RN 762253-91-8 CAPLUS

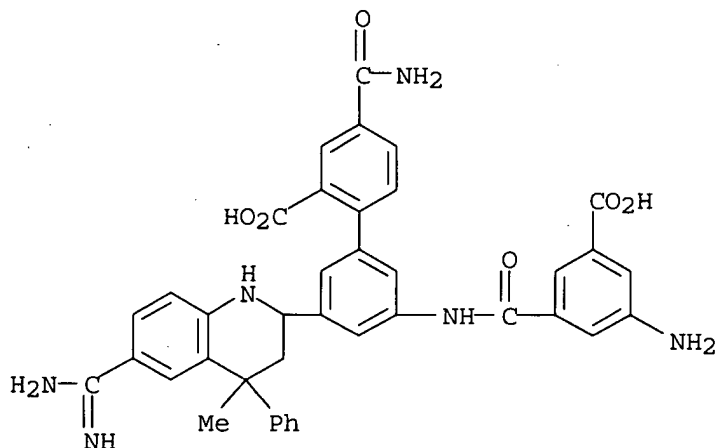
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(3,5-difluorobenzoyl)amino]- (9CI) (CA INDEX NAME)

4/12/05



RN 762253-92-9 CAPLUS

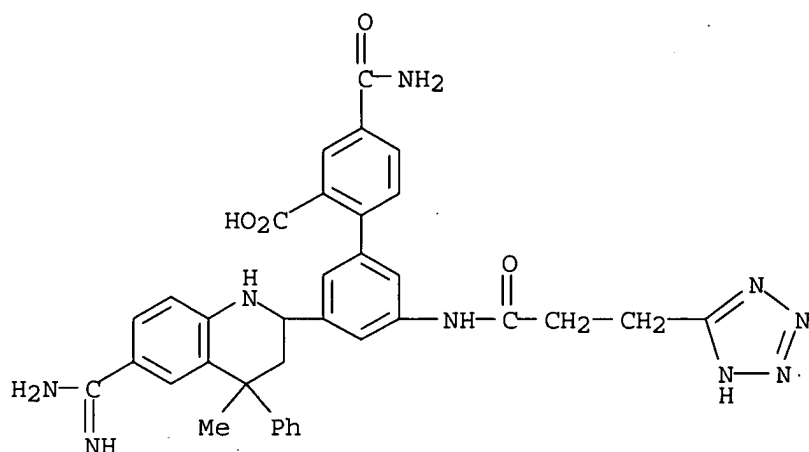
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[(3-amino-5-carboxybenzoyl)amino]-5'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]- (9CI) (CA INDEX NAME)



RN 762253-93-0 CAPLUS

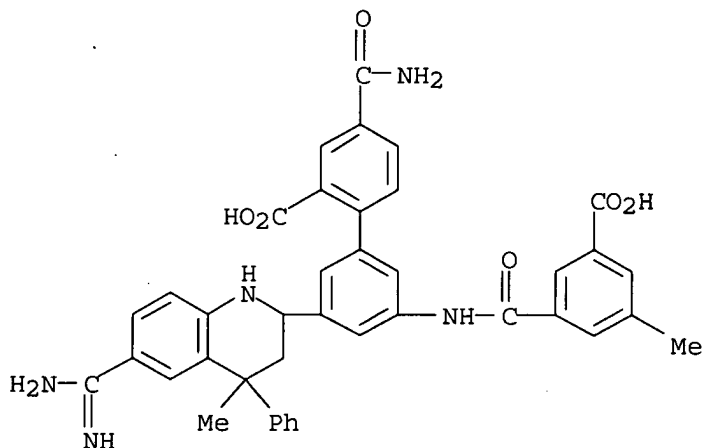
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[[1-oxo-3-(1H-tetrazol-5-yl)propyl]amino]- (9CI) (CA INDEX NAME)

4/12/05



RN 762253-94-1 CAPLUS

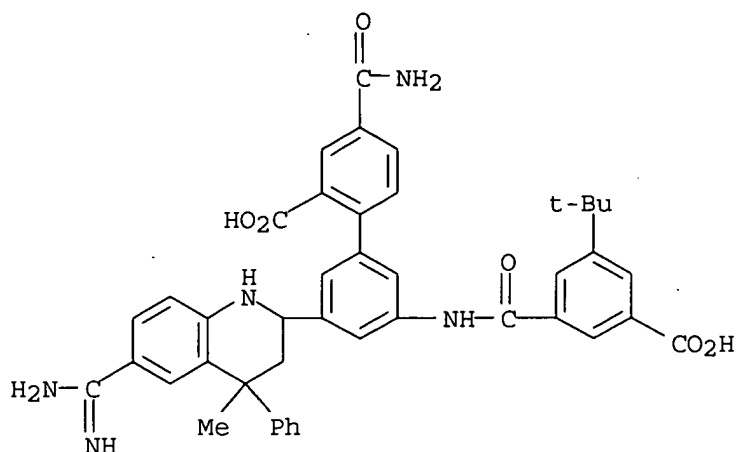
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(3-carboxy-5-methylbenzoyl)amino] - (9CI) (CA INDEX NAME)



RN 762253-95-2 CAPLUS

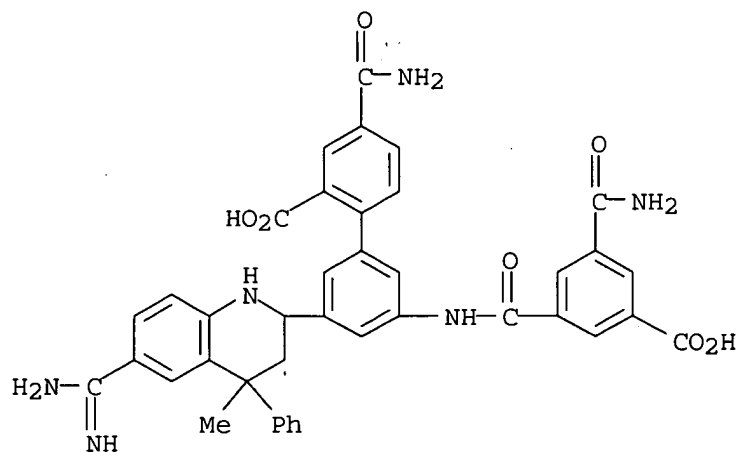
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[[3-carboxy-5-(1,1-dimethylethyl)benzoyl]amino] - (9CI) (CA INDEX NAME)

4/12/05



RN 762253-96-3 CAPLUS

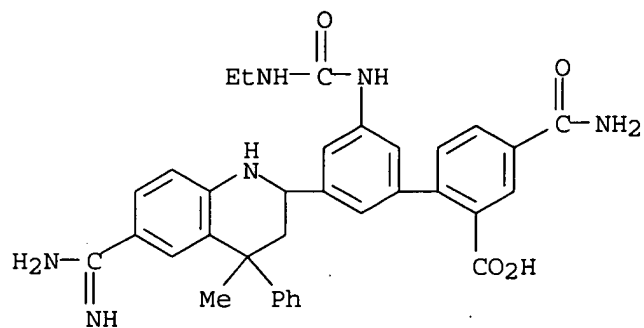
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[[3-(aminocarbonyl)-5-carboxybenzoyl]amino]-5'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]- (9CI) (CA INDEX NAME)



RN 762253-97-4 CAPLUS

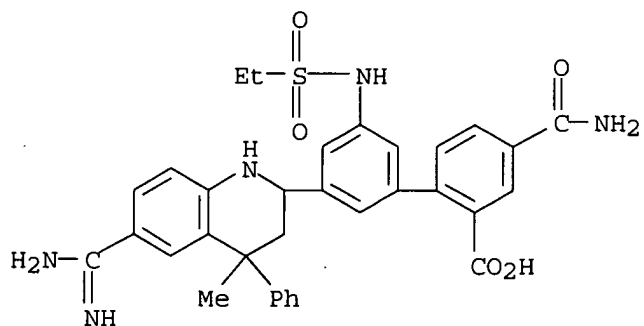
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[[[(ethylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)

4/12/05



RN 762253-98-5 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(ethylsulfonyl)amino]- (9CI) (CA INDEX NAME)



RN 762254-03-5 CAPLUS

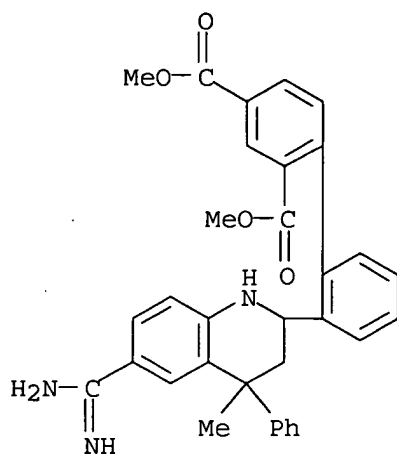
CN [1,1'-Biphenyl]-2,4-dicarboxylic acid, 2'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-, dimethyl ester, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 762253-33-8

CMF C33 H31 N3 O4

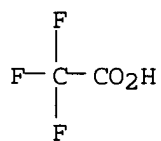
4/12/05



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 762254-04-6 CAPLUS

CN [1,1'-Biphenyl]-2,4-dicarboxylic acid, 2'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-, trifluoroacetate (9CI) (CA INDEX NAME)

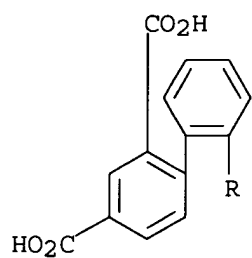
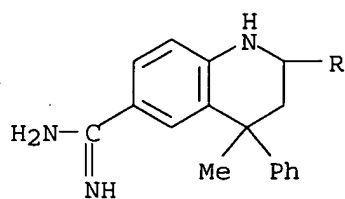
CM 1

CRN 762253-34-9

CMF C31 H27 N3 O4

10796396

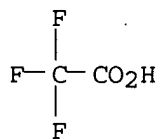
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CM 2

CRN 76-05-1

CMF C2 H F3 O2



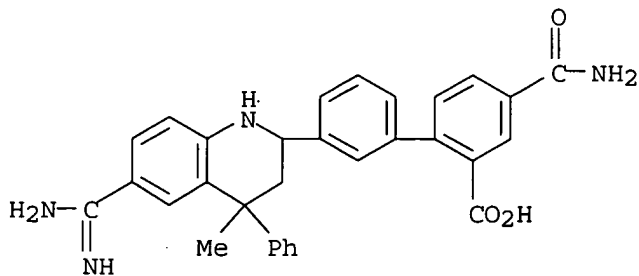
RN 762254-08-0 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 762253-43-0

CMF C31 H28 N4 O3



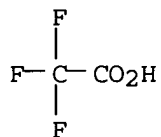
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4/12/05

CM 2

CRN 76-05-1

CMF C2 H F3 O2



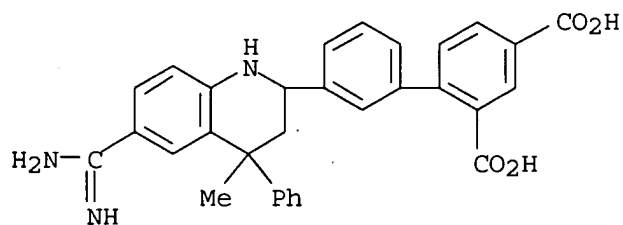
RN 762254-10-4 CAPLUS

CN [1,1'-Biphenyl]-2,4-dicarboxylic acid, 3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 762253-45-2

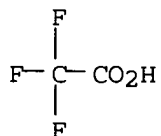
CMF C31 H27 N3 O4



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 762254-11-5 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 4-amino-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-, trifluoroacetate (9CI) (CA INDEX NAME)

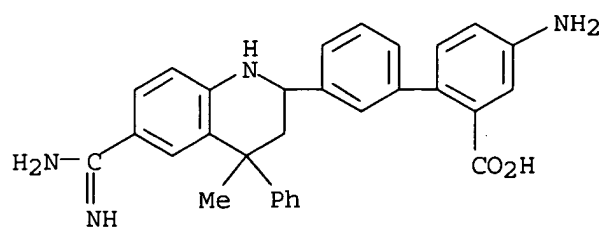
CM 1

CRN 762253-48-5

CMF C30 H28 N4 O2

10796396

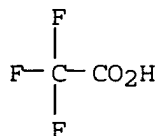
4/12/05



CM 2

CRN 76-05-1

CMF C2 H F3 O2



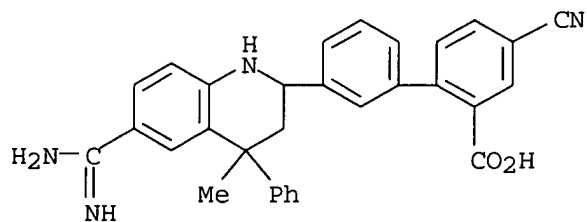
RN 762254-12-6 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-4-cyano-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 762253-53-2

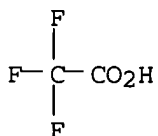
CMF C31 H26 N4 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



10796396

4/12/05

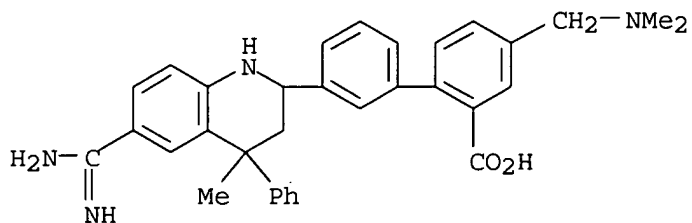
RN 762254-13-7 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-4-[(dimethylamino)methyl]-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 762253-60-1

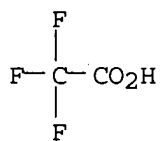
CMF C33 H34 N4 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



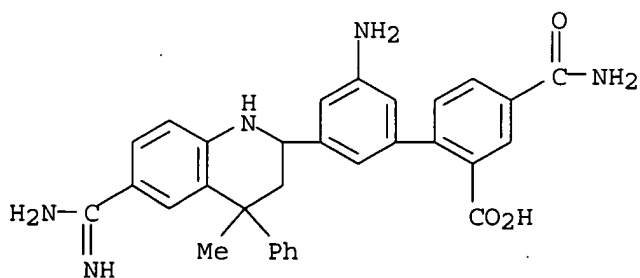
RN 762254-15-9 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 3'-amino-4-(aminocarbonyl)-5'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 762253-62-3

CMF C31 H29 N5 O3



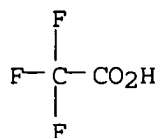
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4/12/05

CM 2

CRN 76-05-1

CMF C2 H F3 O2



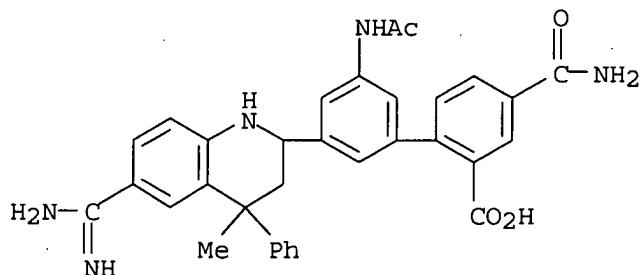
RN 762254-16-0 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 3'-(acetylamino)-4-(aminocarbonyl)-5'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 762253-64-5

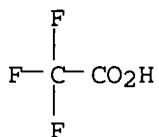
CMF C33 H31 N5 O4



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 762254-17-1 CAPLUS

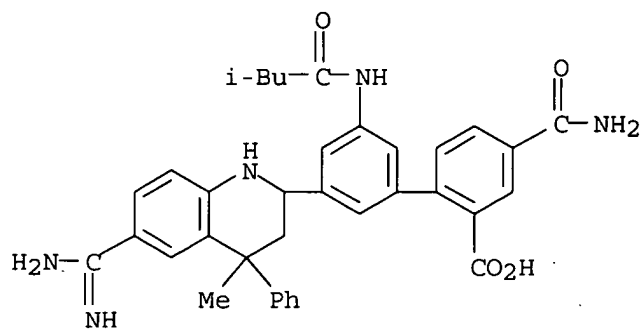
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(3-methyl-1-oxobutyl)amino]-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

10796396

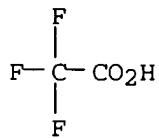
4/12/05

CRN 762253-65-6
CMF C36 H37 N5 O4



CM 2

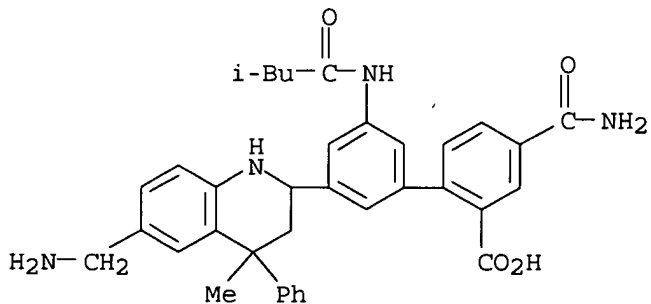
CRN 76-05-1
CMF C2 H F3 O2



RN 762254-19-3 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(3-methyl-1-oxobutyl)amino]-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 762253-68-9
CMF C36 H38 N4 O4

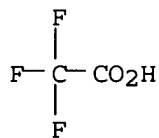


CM 2

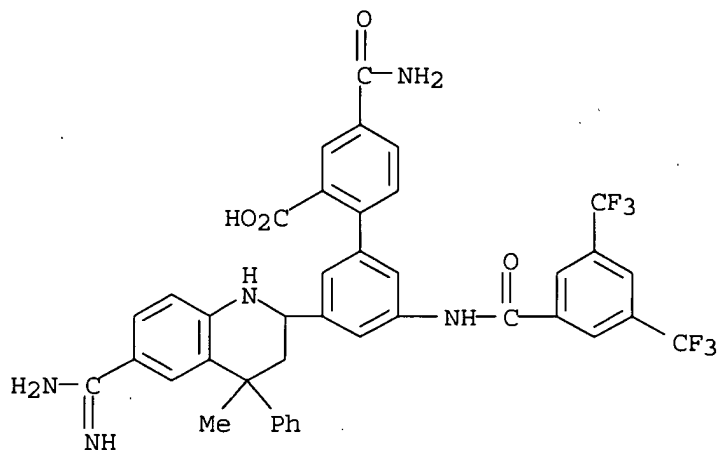
10796396

4/12/05

CRN 76-05-1
CMF C2 H F3 O2



RN 762254-69-3 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[[3,5-bis(trifluoromethyl)benzoyl]amino] - (9CI) (CA INDEX NAME)



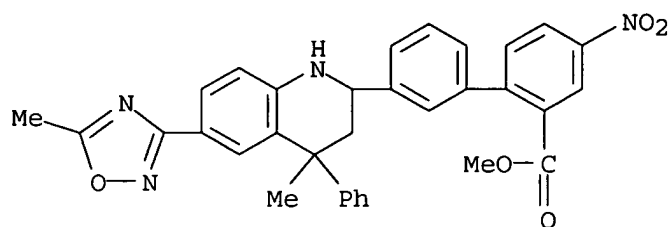
IT 762254-30-8P 762254-31-9P 762254-32-0P
762254-34-2P 762254-35-3P 762254-37-5P
762254-39-7P 762254-47-7P 762254-50-2P
762254-58-0P 762254-60-4P 762254-61-5P
762254-62-6P 762254-63-7P 762254-65-9P
762254-67-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of carbaminidoyletetrahydroquinoline derivs. as inhibitors of serine protease enzymes of the coagulation cascade and/or contact activation system)

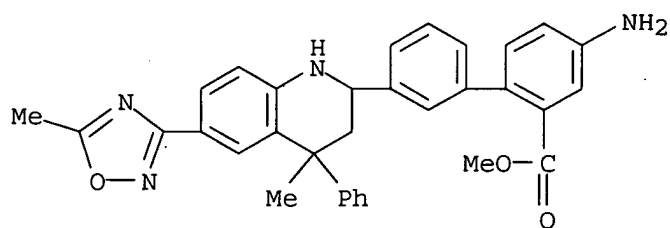
RN 762254-30-8 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-nitro-3'-[1,2,3,4-tetrahydro-4-methyl-6-(5-methyl-1,2,4-oxadiazol-3-yl)-4-phenyl-2-quinolinyl]-, methyl ester (9CI) (CA INDEX NAME)

4/12/05



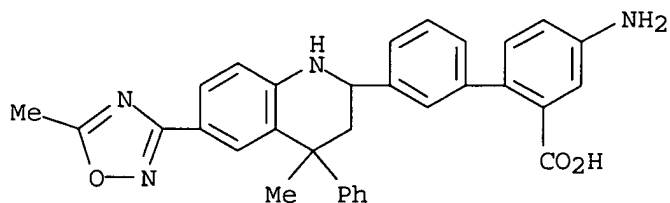
RN 762254-31-9 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 4-amino-3'-[1,2,3,4-tetrahydro-4-methyl-6-(5-methyl-1,2,4-oxadiazol-3-yl)-4-phenyl-2-quinolinyl]-, methyl ester (9CI) (CA INDEX NAME)



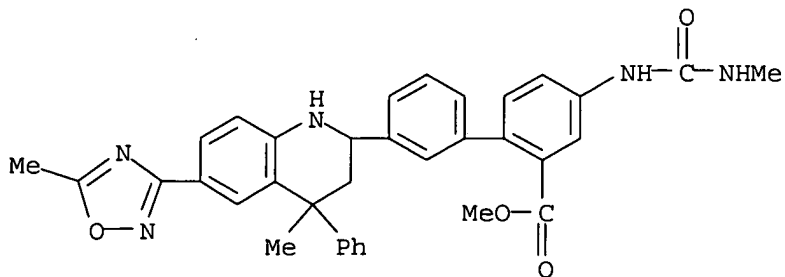
RN 762254-32-0 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 4-amino-3'-[1,2,3,4-tetrahydro-4-methyl-6-(5-methyl-1,2,4-oxadiazol-3-yl)-4-phenyl-2-quinolinyl]- (9CI) (CA INDEX NAME)



RN 762254-34-2 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 4-[[[(methylamino)carbonyl]amino]-3'-[1,2,3,4-tetrahydro-4-methyl-6-(5-methyl-1,2,4-oxadiazol-3-yl)-4-phenyl-2-quinolinyl]-, methyl ester (9CI) (CA INDEX NAME)

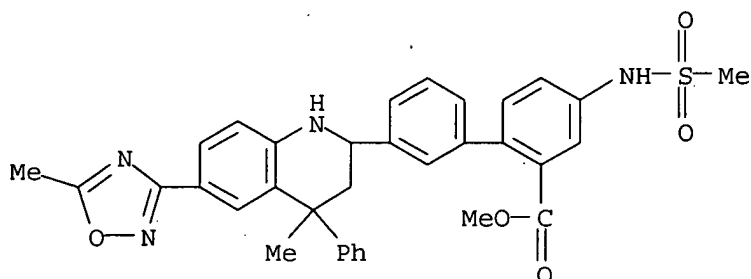


10796396

4/12/05

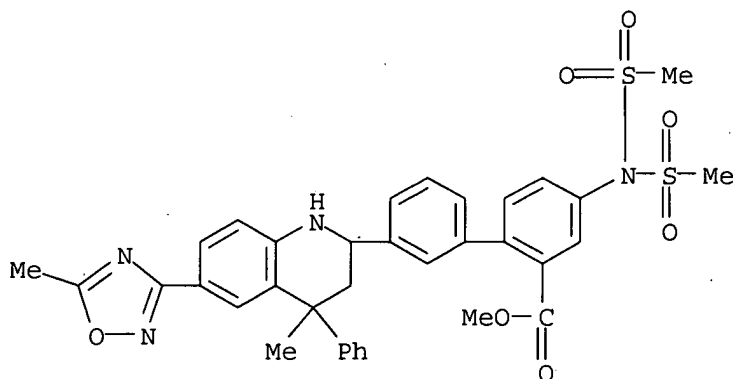
RN 762254-35-3 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 4-[(methylsulfonyl)amino]-3'-[1,2,3,4-tetrahydro-4-methyl-6-(5-methyl-1,2,4-oxadiazol-3-yl)-4-phenyl-2-quinolinyl]-, methyl ester (9CI) (CA INDEX NAME)



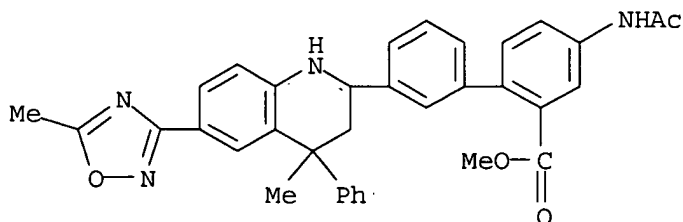
RN 762254-37-5 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 4-[bis(methylsulfonyl)amino]-3'-[1,2,3,4-tetrahydro-4-methyl-6-(5-methyl-1,2,4-oxadiazol-3-yl)-4-phenyl-2-quinolinyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 762254-39-7 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(acetylamino)-3'-[1,2,3,4-tetrahydro-4-methyl-6-(5-methyl-1,2,4-oxadiazol-3-yl)-4-phenyl-2-quinolinyl]-, methyl ester (9CI) (CA INDEX NAME)

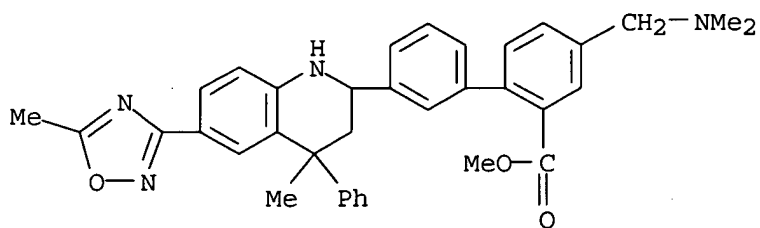


RN 762254-47-7 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 4-[(dimethylamino)methyl]-3'-[1,2,3,4-tetrahydro-4-methyl-6-(5-methyl-1,2,4-oxadiazol-3-yl)-4-phenyl-2-

4/12/05

quinolinyl]-, methyl ester (9CI) (CA INDEX NAME)



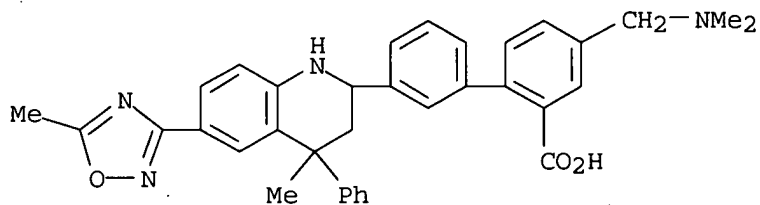
RN 762254-50-2 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 4-[(dimethylamino)methyl]-3'-[1,2,3,4-tetrahydro-4-methyl-6-(5-methyl-1,2,4-oxadiazol-3-yl)-4-phenyl-2-quinolinyl]-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 762254-49-9

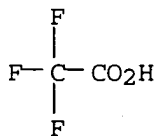
CMF C35 H34 N4 O3



CM 2

CRN 76-05-1

CMF C2 H F3 O2

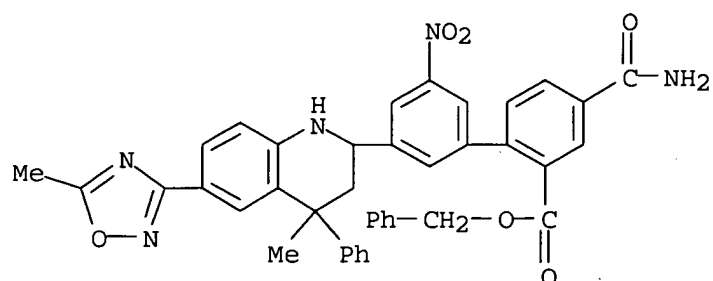


RN 762254-58-0 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-nitro-5'-[1,2,3,4-tetrahydro-4-methyl-6-(5-methyl-1,2,4-oxadiazol-3-yl)-4-phenyl-2-quinolinyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

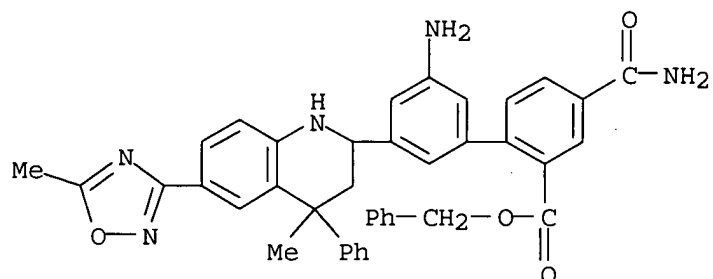
10796396

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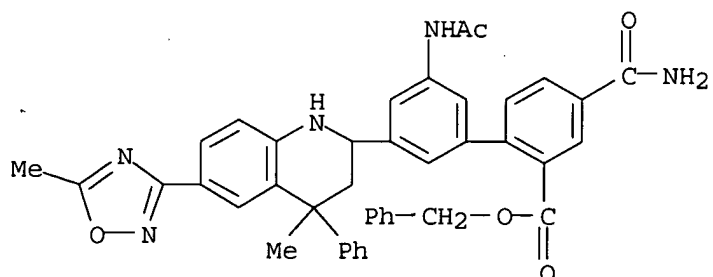
RN 762254-60-4 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 3'-amino-4-(aminocarbonyl)-5'-[1,2,3,4-tetrahydro-4-methyl-6-(5-methyl-1,2,4-oxadiazol-3-yl)-4-phenyl-2-quinolinyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)



RN 762254-61-5 CAPLUS

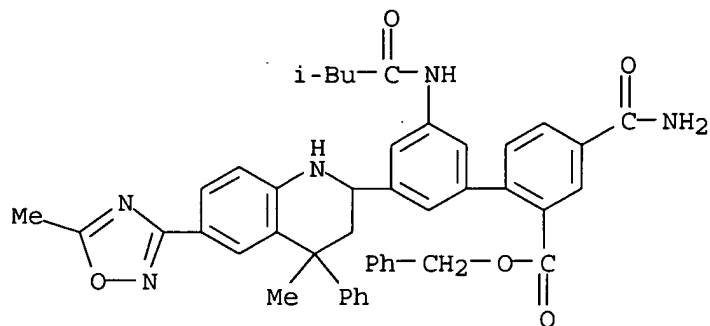
CN [1,1'-Biphenyl]-2-carboxylic acid, 3'-(acetylamino)-4-(aminocarbonyl)-5'-[1,2,3,4-tetrahydro-4-methyl-6-(5-methyl-1,2,4-oxadiazol-3-yl)-4-phenyl-2-quinolinyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)



RN 762254-62-6 CAPLUS

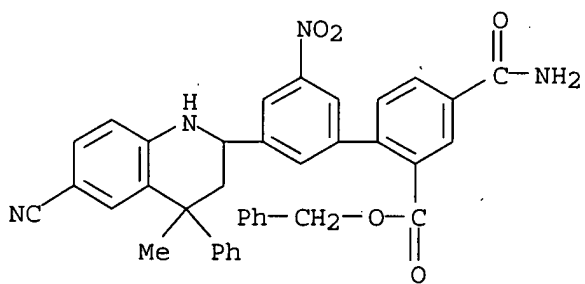
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[(3-methyl-1-oxobutyl)amino]-5'-[1,2,3,4-tetrahydro-4-methyl-6-(5-methyl-1,2,4-oxadiazol-3-yl)-4-phenyl-2-quinolinyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

4/12/05



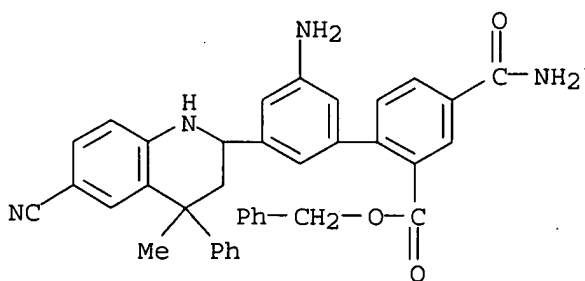
RN 762254-63-7 CAPLUS

CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-(6-cyano-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl)-5'-nitro-, phenylmethyl ester (9CI) (CA INDEX NAME)



RN 762254-65-9 CAPLUS

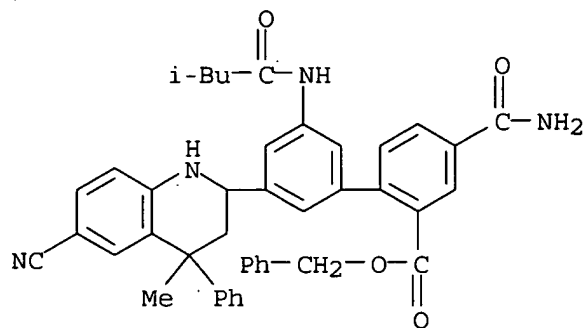
CN [1,1'-Biphenyl]-2-carboxylic acid, 3'-amino-4-(aminocarbonyl)-5'-(6-cyano-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl)-, phenylmethyl ester (9CI) (CA INDEX NAME)



RN 762254-67-1 CAPLUS

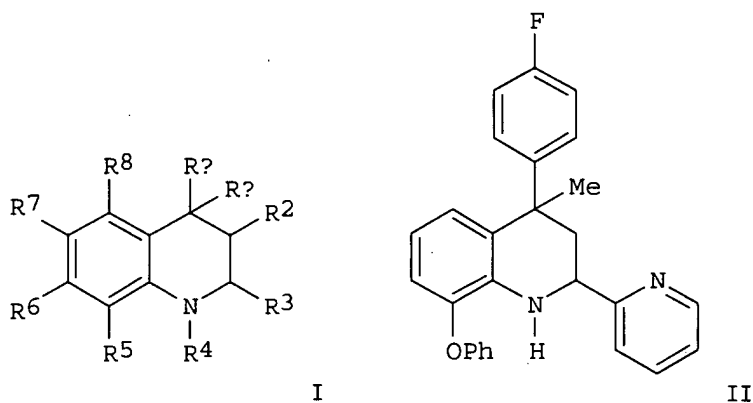
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[(3-methyl-1-oxobutyl)amino]-5'-(6-cyano-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl)-, phenylmethyl ester (9CI) (CA INDEX NAME)

4/12/05



RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN
GI



AB Title compds. I [Rb and R2 together = (CH₂)_n, CH=CHCH₂, CH₂CH=CH, etc.; n = 3-10; Ra = H; R3 = H, alkyl, cycloalkyl, etc.; R4 = R4a, ZR4a; R4a = H, alkyl, alkenyl, etc.; Z = alkyl, alkenyl, alkynyl, etc.; R5, R6, R7, R8 = H, halo, CN, etc.] and their pharmaceutically acceptable salts were prepared In sodium channel [3H]batrachotoxin (BTX) displacement assays, 261-examples of compds. I exhibited 00.0-91.7% binding, e.g., the affinity of tetrahydroquinoline was 91.7%.

AN 2004:198148 CAPLUS

DN 140:253456

TI Preparation of 1,2,3,4-tetrahydro-4-phenylquinolines and related compounds as sodium channel ligands for the treatment of pain

IN Hennies, Hagen-Heinrich; Maul, Corinna; Przewosny, Michael; Sundermann, Bernd

PA Gruenenthal G.m.b.H., Germany

SO Ger. Offen., 55 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

10796396

4/12/05

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 10236910	A1	20040311	DE 2002-10236910	20020812
	WO 2004022542	A2	20040318	WO 2003-EP8889	20030811
	WO 2004022542	A3	20040603		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRAI DE 2002-10236910 A 20020812

OS MARPAT 140:253456

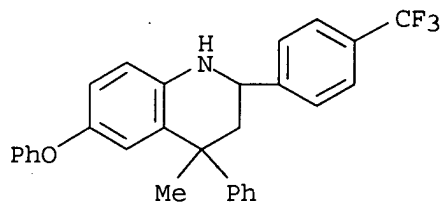
IT 669778-57-8 669778-87-4 669778-95-4
669779-11-7 669779-28-6 669779-35-5
669779-37-7 669779-45-7 669779-86-6
669779-98-0 669780-06-7

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(preparation of tetrahydroquinolines and related compds. as sodium channel ligands for the treatment of pain)

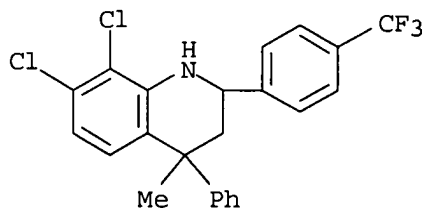
RN 669778-57-8 CAPLUS

CN Quinoline, 1,2,3,4-tetrahydro-4-methyl-6-phenoxy-4-phenyl-2-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 669778-87-4 CAPLUS

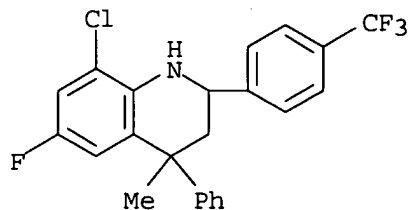
CN Quinoline, 7,8-dichloro-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 669778-95-4 CAPLUS

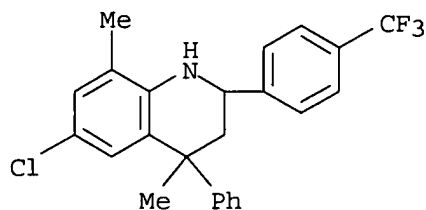
CN Quinoline, 8-chloro-6-fluoro-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

4/12/05



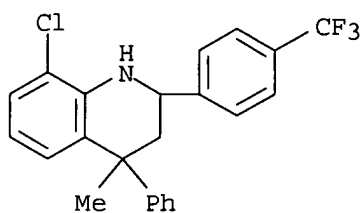
RN 669779-11-7 CAPLUS

CN Quinoline, 6-chloro-1,2,3,4-tetrahydro-4,8-dimethyl-4-phenyl-2-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



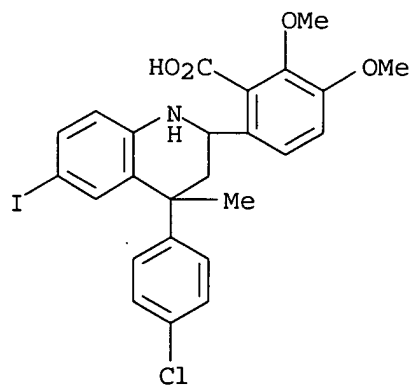
RN 669779-28-6 CAPLUS

CN Quinoline, 8-chloro-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 669779-35-5 CAPLUS

CN Benzoic acid, 6-[4-(4-chlorophenyl)-1,2,3,4-tetrahydro-6-iodo-4-methyl-2-quinolinyl]-2,3-dimethoxy- (9CI) (CA INDEX NAME)

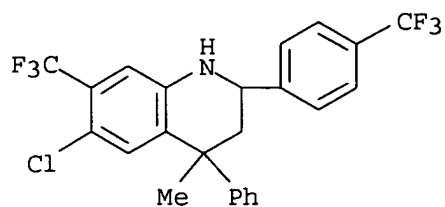


RN 669779-37-7 CAPLUS

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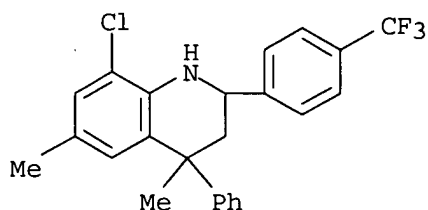
4/12/05

CN Quinoline, 6-chloro-1,2,3,4-tetrahydro-4-methyl-4-phenyl-7-(trifluoromethyl)-2-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



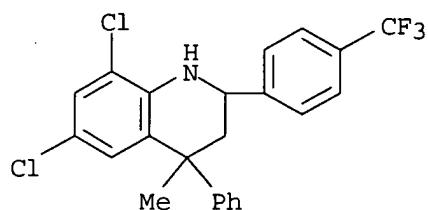
RN 669779-45-7 CAPLUS

CN Quinoline, 8-chloro-1,2,3,4-tetrahydro-4,6-dimethyl-4-phenyl-2-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 669779-86-6 CAPLUS

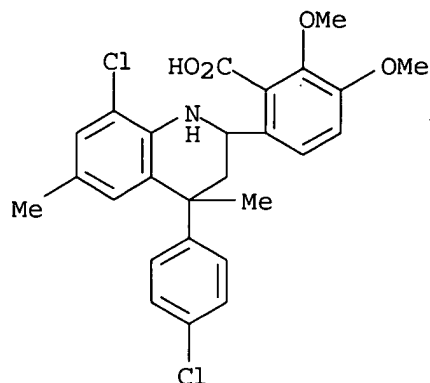
CN Quinoline, 6,8-dichloro-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 669779-98-0 CAPLUS

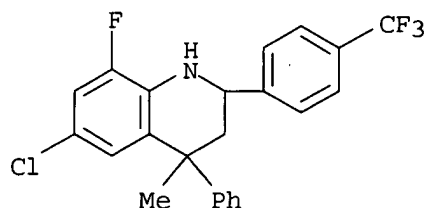
CN Benzoic acid, 6-[8-chloro-4-(4-chlorophenyl)-1,2,3,4-tetrahydro-4,6-dimethyl-2-quinolinyl]-2,3-dimethoxy- (9CI) (CA INDEX NAME)

4/12/05



RN 669780-06-7 CAPLUS

CN Quinoline, 6-chloro-8-fluoro-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN

AB Cycloaddn. of N-arylimines with α -methylstyrenes or 2,3-dihydrofuran was efficiently catalyzed by tris(4-bromophenyl)aminium hexachloroantimonate ($\text{Ar}_3\text{N}^+\cdot\text{SbCl}_6^-$) producing tetrahydroquinoline derivs. in excellent yields. The reaction was controlled sensitively by the oxidation potentials of the imine and the dienophile.

AN 2003:732818 CAPLUS

DN 140:42014

TI Cation radical imino Diels-Alder reaction: A new approach for the synthesis of tetrahydroquinolines

AU Jia, Xiaodong; Lin, Hechun; Huo, Congde; Zhang, Wei; Lue, Jianming; Yang, Li; Zhao, Guangyu; Liu, Zhong-Li

CS National Laboratory of Applied Organic Chemistry, Lanzhou University, Lanzhou, 730000, Peop. Rep. China

SO Synlett (2003), (11), 1707-1709

CODEN: SYNLES; ISSN: 0936-5214

PB Georg Thieme Verlag

DT Journal

LA English

OS CASREACT 140:42014

IT 506407-52-9P 506407-53-0P 506407-54-1P

506407-64-3P 506407-65-4P 506407-66-5P

635303-04-7P 635303-05-8P 635303-06-9P

635303-07-0P 727653-41-0P 727653-65-8P

727653-68-1P 727653-73-8P

RL: SPN (Synthetic preparation); PREP (Preparation)

10796396

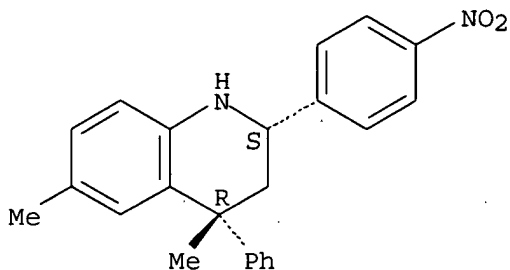
4/12/05

(preparation of tetrahydroquinolines via cation radical imino Diels-Alder reaction of N-arylimines with dienophiles catalyzed by tris(bromophenyl)aminium hexachloroantimonate)

RN 506407-52-9 CAPLUS

CN Quinoline, 1,2,3,4-tetrahydro-4,6-dimethyl-2-(4-nitrophenyl)-4-phenyl-, (2R,4S)-rel- (9CI) (CA INDEX NAME)

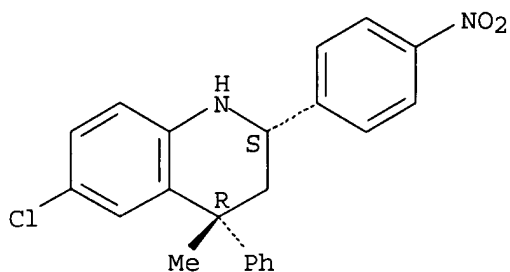
Relative stereochemistry.



RN 506407-53-0 CAPLUS

CN Quinoline, 6-chloro-1,2,3,4-tetrahydro-4-methyl-2-(4-nitrophenyl)-4-phenyl-, (2R,4S)-rel- (9CI) (CA INDEX NAME)

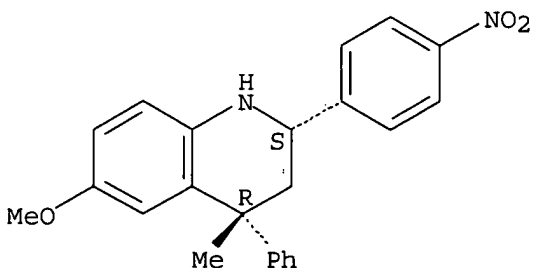
Relative stereochemistry.



RN 506407-54-1 CAPLUS

CN Quinoline, 1,2,3,4-tetrahydro-6-methoxy-4-methyl-2-(4-nitrophenyl)-4-phenyl-, (2R,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

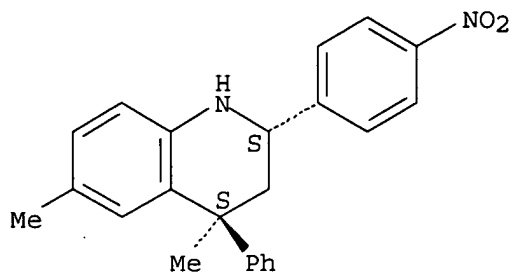


RN 506407-64-3 CAPLUS

CN Quinoline, 1,2,3,4-tetrahydro-4,6-dimethyl-2-(4-nitrophenyl)-4-phenyl-, (2R,4R)-rel- (9CI) (CA INDEX NAME)

4/12/05

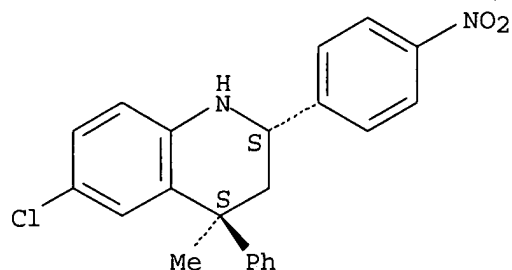
Relative stereochemistry.



RN 506407-65-4 CAPLUS

CN Quinoline, 6-chloro-1,2,3,4-tetrahydro-4-methyl-2-(4-nitrophenyl)-4-phenyl-, (2R,4R)-rel- (9CI) (CA INDEX NAME)

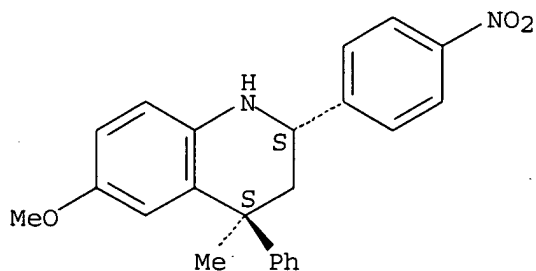
Relative stereochemistry.



RN 506407-66-5 CAPLUS

CN Quinoline, 1,2,3,4-tetrahydro-6-methoxy-4-methyl-2-(4-nitrophenyl)-4-phenyl-, (2R,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

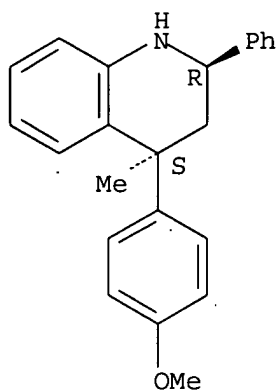


RN 635303-04-7 CAPLUS

CN Quinoline, 1,2,3,4-tetrahydro-4-(4-methoxyphenyl)-4-methyl-2-phenyl-, (2R,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

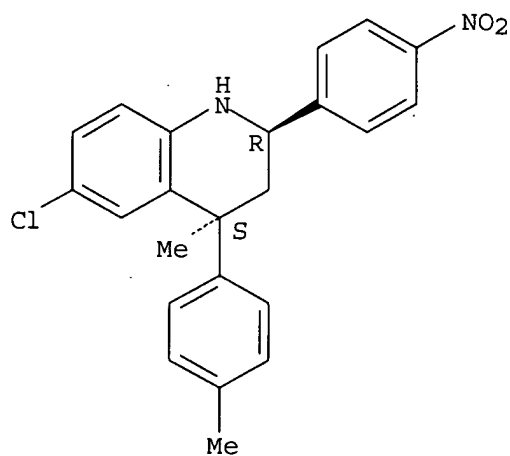
4/12/05



RN 635303-05-8 CAPLUS

CN Quinoline, 6-chloro-1,2,3,4-tetrahydro-4-methyl-4-(4-methylphenyl)-2-(4-nitrophenyl)-, (2R,4S)-rel- (9CI) (CA INDEX NAME)

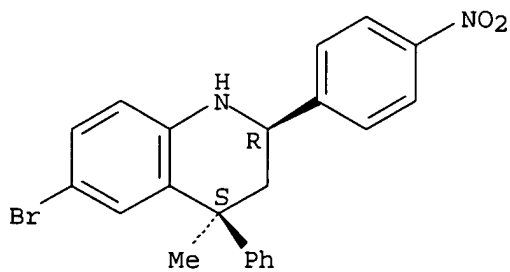
Relative stereochemistry.



RN 635303-06-9 CAPLUS

CN Quinoline, 6-bromo-1,2,3,4-tetrahydro-4-methyl-2-(4-nitrophenyl)-4-phenyl-, (2R,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



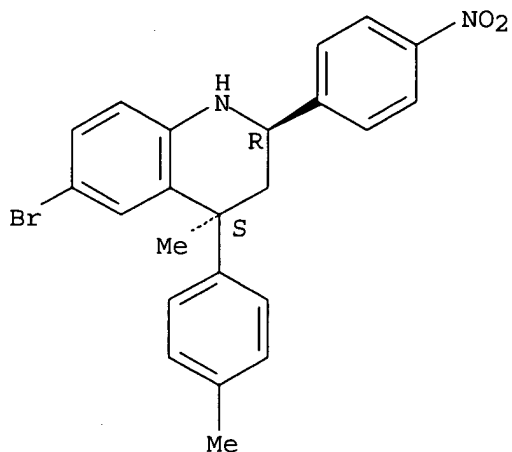
RN 635303-07-0 CAPLUS

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4/12/05

CN Quinoline, 6-bromo-1,2,3,4-tetrahydro-4-methyl-4-(4-methylphenyl)-2-(4-nitrophenyl)-, (2R,4S)-rel- (9CI) (CA INDEX NAME)

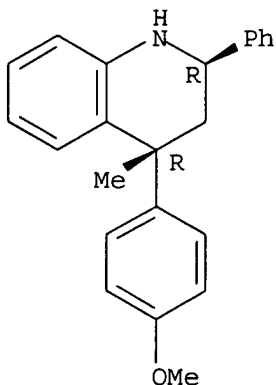
Relative stereochemistry.



RN 727653-41-0 CAPLUS

CN Quinoline, 1,2,3,4-tetrahydro-4-(4-methoxyphenyl)-4-methyl-2-phenyl-, (2R,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

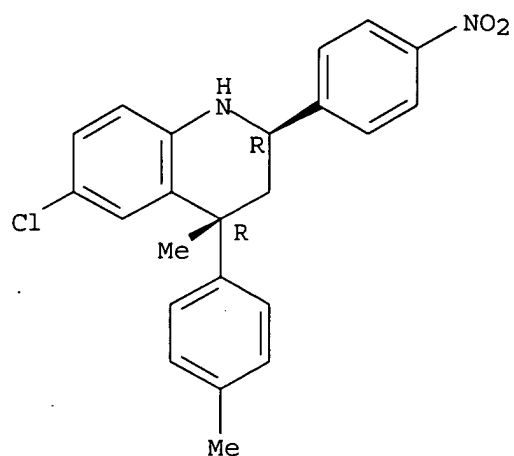


RN 727653-65-8 CAPLUS

CN Quinoline, 6-chloro-1,2,3,4-tetrahydro-4-methyl-4-(4-methylphenyl)-2-(4-nitrophenyl)-, (2R,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

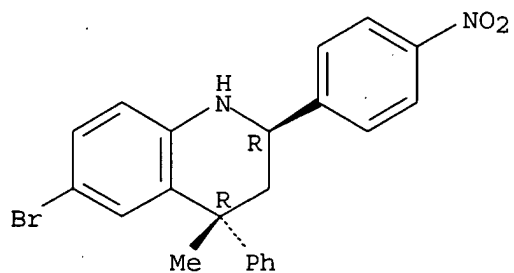
4/12/05



RN 727653-68-1 CAPLUS

CN Quinoline, 6-bromo-1,2,3,4-tetrahydro-4-methyl-2-(4-nitrophenyl)-4-phenyl-, (2R,4R)-rel- (9CI) (CA INDEX NAME)

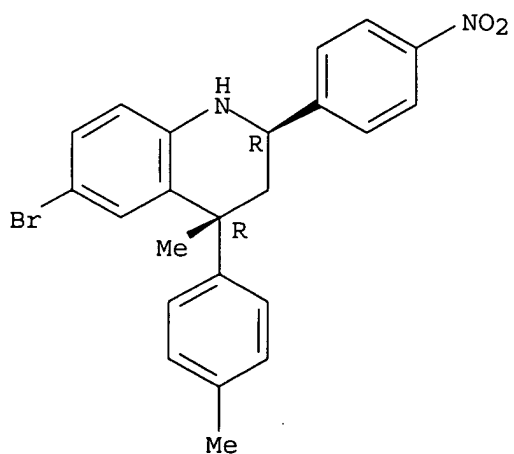
Relative stereochemistry.



RN 727653-73-8 CAPLUS

CN Quinoline, 6-bromo-1,2,3,4-tetrahydro-4-methyl-4-(4-methylphenyl)-2-(4-nitrophenyl)-, (2R,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

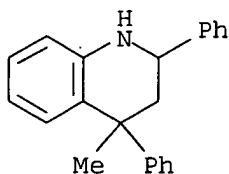


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4/12/05

RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN
AB A novel combined system of Yb(OTf)₃ with TMSCl or TMSOTf catalyzed an imino ene reaction. The reaction of N-tosylbenzalimine with α -methylstyrene proceeded smoothly to give TsNHCHPhCH₂CPh:CH₂ in the presence of a catalytic amount of Yb(OTf)₃ and TMSCl. This catalytic system was successfully applied to the imino ene reactions of various aldimines with alkenes. This new imino ene reaction provides a unique method for the three-component coupling reaction of an aldehyde, tosylamide, and α -methylstyrene in the presence of Yb(OTf)₃ and TMSOTf, to give the homoallylic amine.
AN 2003:213238 CAPLUS
DN 138:385135
TI Imino Ene Reaction Catalyzed by Ytterbium(III) Triflate and TMSCl or TMSOTf
AU Yamanaka, Masamichi; Nishida, Atsushi; Nakagawa, Masako
CS Graduate School of Pharmaceutical Sciences, Chiba University, Inage, Chiba, 263-8522, Japan
SO Journal of Organic Chemistry (2003), 68(8), 3112-3120
CODEN: JOCEAH; ISSN: 0022-3263
PB American Chemical Society
DT Journal
LA English
OS CASREACT 138:385135
IT **30312-28-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(imino ene reaction catalyzed by ytterbium(III) triflate and TMSCl or TMSOTf)
RN 30312-28-8 CAPLUS
CN Quinoline, 1,2,3,4-tetrahydro-4-methyl-2,4-diphenyl- (9CI) (CA INDEX NAME)



RE.CNT 49 THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

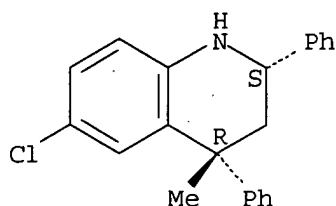
L4 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN
AB Irradiation ($\lambda > 345$ nm) of catalytic amts. of 2,4,6-triphenylpyrylium tetrafluoroborate (TPT) in a CH₂Cl₂ solution of N-aryl imines and α -methylstyrene or styrene produced the corresponding [4+2] cycloaddn. products, tetrahydroquinoline derivs., in good yield. The reaction was controlled by the relative oxidation potentials of the dienophile and the diene.
AN 2002:880560 CAPLUS
DN 138:287505
TI Photosensitized Diels-Alder reactions of N-arylimines: synthesis of tetrahydroquinoline derivatives
AU Zhang, Wei; Jia, Xiaodong; Yang, Li; Liu, Zhong-Li

10796396

4/12/05

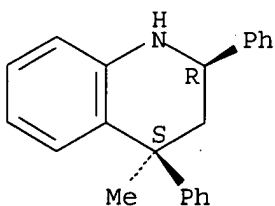
CS National Laboratory of Applied Organic Chemistry, Lanzhou University,
Gansu, 730000, Peop. Rep. China
SO Tetrahedron Letters (2002), 43(51), 9433-9436
CODEN: TELEAY; ISSN: 0040-4039
PB Elsevier Science Ltd.
DT Journal
LA English
OS CASREACT 138:287505
IT 184226-21-9P 258851-87-5P 258851-91-1P
506407-49-4P 506407-50-7P 506407-51-8P
506407-52-9P 506407-53-0P 506407-54-1P
506407-60-9P 506407-61-0P 506407-62-1P
506407-63-2P 506407-64-3P 506407-65-4P
506407-66-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of tetrahydroquinoline derivs. via photosensitized Diels-Alder
reactions of N-arylimines and styrenes)
RN 184226-21-9 CAPLUS
CN Quinoline, 6-chloro-1,2,3,4-tetrahydro-4-methyl-2,4-diphenyl-,
(2R,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 258851-87-5 CAPLUS
CN Quinoline, 1,2,3,4-tetrahydro-4-methyl-2,4-diphenyl-, (2R,4S)-rel- (9CI)
(CA INDEX NAME)

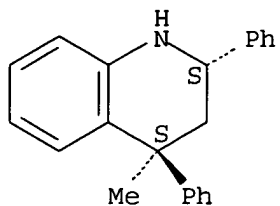
Relative stereochemistry.



RN 258851-91-1 CAPLUS
CN Quinoline, 1,2,3,4-tetrahydro-4-methyl-2,4-diphenyl-, (2R,4R)-rel- (9CI)
(CA INDEX NAME)

Relative stereochemistry.

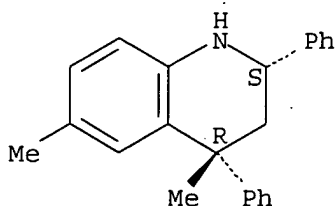
4/12/05



RN 506407-49-4 CAPLUS

CN Quinoline, 1,2,3,4-tetrahydro-4,6-dimethyl-2,4-diphenyl-, (2R,4S)-rel- (9CI) (CA INDEX NAME)

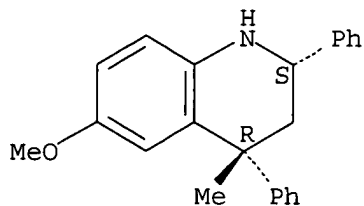
Relative stereochemistry.



RN 506407-50-7 CAPLUS

CN Quinoline, 1,2,3,4-tetrahydro-6-methoxy-4-methyl-2,4-diphenyl-, (2R,4S)-rel- (9CI) (CA INDEX NAME)

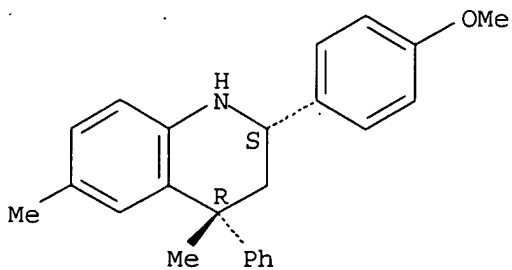
Relative stereochemistry.



RN 506407-51-8 CAPLUS

CN Quinoline, 1,2,3,4-tetrahydro-2-(4-methoxyphenyl)-4,6-dimethyl-4-phenyl-, (2R,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 506407-52-9 CAPLUS

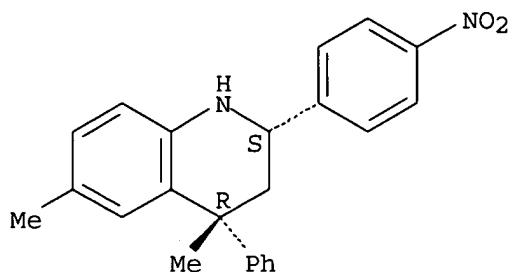
CN Quinoline, 1,2,3,4-tetrahydro-4,6-dimethyl-2-(4-nitrophenyl)-4-phenyl-, (2R,4S)-rel- (9CI) (CA INDEX NAME)

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(2R,4S)-rel- (9CI) (CA INDEX NAME)

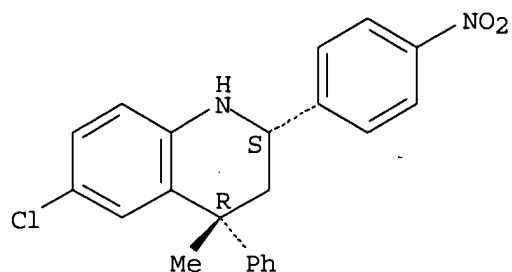
Relative stereochemistry.



RN 506407-53-0 CAPLUS

CN Quinoline, 6-chloro-1,2,3,4-tetrahydro-4-methyl-2-(4-nitrophenyl)-4-phenyl-, (2R,4S)-rel- (9CI) (CA INDEX NAME)

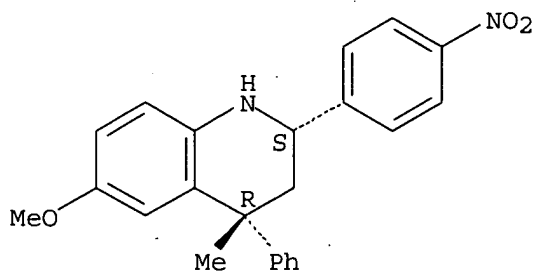
Relative stereochemistry.



RN 506407-54-1 CAPLUS

CN Quinoline, 1,2,3,4-tetrahydro-6-methoxy-4-methyl-2-(4-nitrophenyl)-4-phenyl-, (2R,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



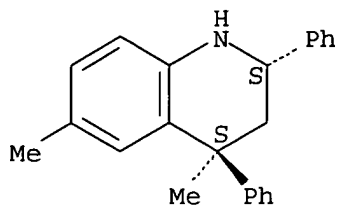
RN 506407-60-9 CAPLUS

CN Quinoline, 1,2,3,4-tetrahydro-4,6-dimethyl-2,4-diphenyl-, (2R,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

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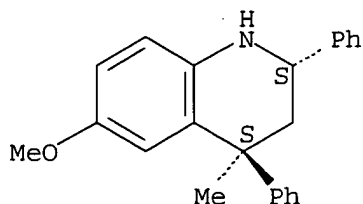
4/12/05



RN 506407-61-0 CAPLUS

CN Quinoline, 1,2,3,4-tetrahydro-6-methoxy-4-methyl-2,4-diphenyl-,
(2R,4R)-rel- (9CI) (CA INDEX NAME)

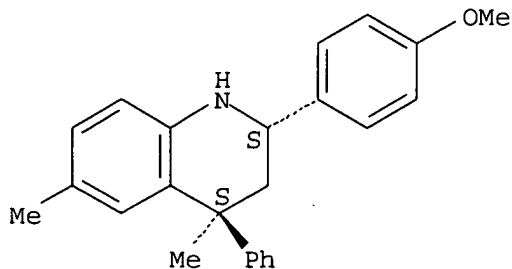
Relative stereochemistry.



RN 506407-62-1 CAPLUS

CN Quinoline, 1,2,3,4-tetrahydro-2-(4-methoxyphenyl)-4,6-dimethyl-4-phenyl-,
(2R,4R)-rel- (9CI) (CA INDEX NAME)

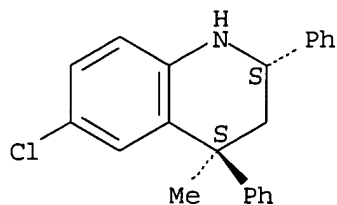
Relative stereochemistry.



RN 506407-63-2 CAPLUS

CN Quinoline, 6-chloro-1,2,3,4-tetrahydro-4-methyl-2,4-diphenyl-,
(2R,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 506407-64-3 CAPLUS

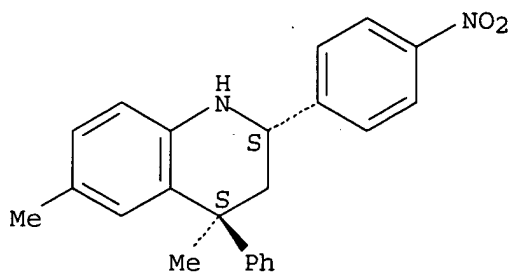
CN Quinoline, 1,2,3,4-tetrahydro-4,6-dimethyl-2-(4-nitrophenyl)-4-phenyl-,
(2R,4R)-rel- (9CI) (CA INDEX NAME)

10796396

4/12/05

(2R,4R)-rel- (9CI) (CA INDEX NAME)

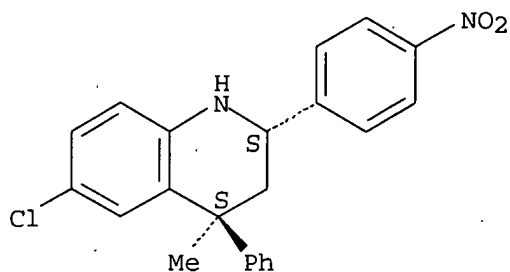
Relative stereochemistry.



RN 506407-65-4 CAPLUS

CN Quinoline, 6-chloro-1,2,3,4-tetrahydro-4-methyl-2-(4-nitrophenyl)-4-phenyl-, (2R,4R)-rel- (9CI) (CA INDEX NAME)

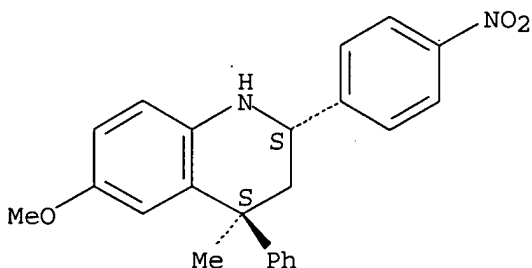
Relative stereochemistry.



RN 506407-66-5 CAPLUS

CN Quinoline, 1,2,3,4-tetrahydro-6-methoxy-4-methyl-2-(4-nitrophenyl)-4-phenyl-, (2R,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RE.CNT 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN

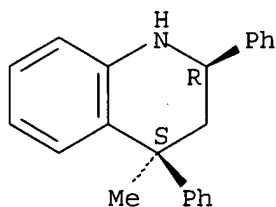
AB Ytterbium trifluoromethanesulfonate [Yb(OTf)₃] catalyzed the imino ene reaction of N-tosyl aldimine with α -methylstyrene to give a homoallylamine in moderate yield. Furthermore, addition of a catalytic amount of chlorotrimethylsilane (TMSCl) dramatically enhanced the imino ene reaction.

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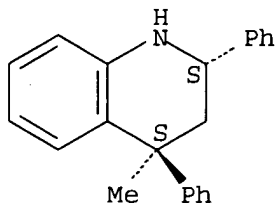
AN 1999:803639 CAPLUS
DN 132:165964
TI Ytterbium(III) Triflate/TMSCl: Efficient Catalyst for Imino Ene Reaction
AU Yamanaka, Masamichi; Nishida, Atsushi; Nakagawa, Masako
CS Faculty of Pharmaceutical Science, Chiba University, Inage-ku Chiba,
263-8522, Japan
SO Organic Letters (2000), 2(2), 159-161
CODEN: ORLEF7; ISSN: 1523-7060
PB American Chemical Society
DT Journal
LA English
OS CASREACT 132:165964
IT **258851-87-5P 258851-91-1P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(ytterbium(III) triflate/TMSCl catalyst system for the imino ene
reaction of N-tosyl aldimine with α -methylstyrene)
RN 258851-87-5 CAPLUS
CN Quinoline, 1,2,3,4-tetrahydro-4-methyl-2,4-diphenyl-, (2R,4S)-rel- (9CI)
(CA INDEX NAME)

Relative stereochemistry.



RN 258851-91-1 CAPLUS
CN Quinoline, 1,2,3,4-tetrahydro-4-methyl-2,4-diphenyl-, (2R,4R)-rel- (9CI)
(CA INDEX NAME)

Relative stereochemistry.

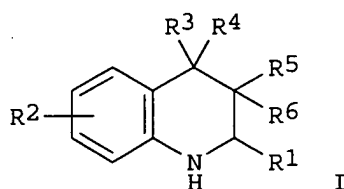


RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN
GI

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AB A convenient method for library construction in liquid phase, which is based on lanthanide triflate ($\text{Ln}(\text{OTf})_3$)-catalyzed three-component reactions, has been developed. Equimolar amts. of each component, an aldehyde, an amine, and a silyl enol ether or an alkene, react smoothly in the presence of $\text{Ln}(\text{OTf})_3$, and the work-up and purification processes are performed by simply passing through a short column. The key is to use $\text{Ln}(\text{OTf})_3$ as a Lewis acid catalyst, which is not decomposed during the work-up and purification steps,

and is easily separated from products by the simple procedure. According to this method, various high-quality β -amino ester and quinoline derivs.

$\text{R}_2\text{NHCHR}_1\text{CR}_3\text{R}_4\text{COR}_5$ ($\text{R}_1 = \text{Ph}$, 2-furyl, PhCO , etc., $\text{R}_2 = \text{Ph}$, PhCH_2 , 4-MeOC $_6\text{H}_4$, $\text{R}_3 = \text{Me}$, H , PhCH_2O , $\text{R}_4 = \text{Me}$, H , $\text{OSiMe}_2\text{CMe}_3$, $\text{R}_5 = \text{OMe}$, SEt , Ph) and **I** ($\text{R}_1 = \text{Ph}$, 4-ClC $_6\text{H}_4$, α -naphthyl, etc., $\text{R}_2 = \text{H}$, 4-Cl, cyclohexyl, etc., R_3 , R_4 , R_5 , $\text{R}_6 =$ alkene substituent) have been prepared in parallel in large quantities.

AN 1998:243718 CAPLUS

DN 128:270525

TI A convenient method for library construction: parallel synthesis of β -amino ester and quinoline derivatives in liquid phase using $\text{Ln}(\text{OTf})_3$ -catalyzed three-component reactions

AU Kobayashi, Shu; Komiyama, Susumu; Ishitani, Haruro

CS Department of Applied Chemistry, Faculty of Science, Science University of Tokyo, Tokyo, 162, Japan

SO Biotechnology and Bioengineering (1998), 61(1), 23-31
CODEN: BIBIAU; ISSN: 0006-3592

PB John Wiley & Sons, Inc.

DT Journal

LA English

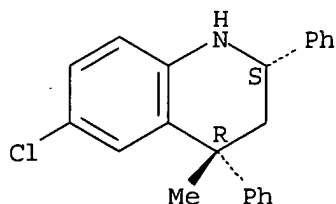
IT 184226-21-9P

RL: SPN (Synthetic preparation); PREP (Preparation)
(parallel synthesis of β -amino ester and quinoline derivs. using $\text{Ln}(\text{OTf})_3$ -catalyzed three-component reactions)

RN 184226-21-9 CAPLUS

CN Quinoline, 6-chloro-1,2,3,4-tetrahydro-4-methyl-2,4-diphenyl-,
(2R,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



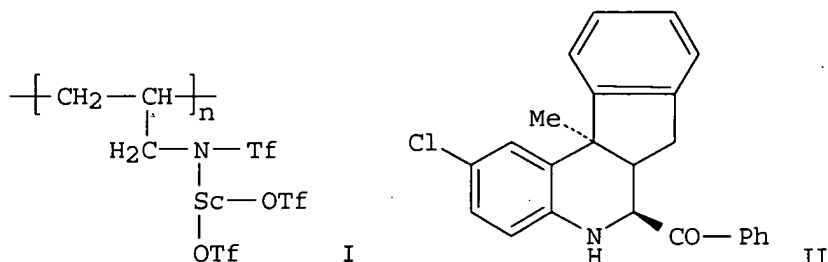
RE.CNT 59 THERE ARE 59 CITED REFERENCES AVAILABLE FOR THIS RECORD

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ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN
GI



AB The poly(allylamine)-supported scandium catalyst I was prepared. Quinolines were synthesized from anilines, arylaldehydes and alkenes in the presence of I. For example, the condensation of α -oxobenzeneacetaldehyde with 4-chloroaniline and 3-methyl-1H-indene gave II in 99% yield as a single diastereomer.

AN 1996:619167 CAPLUS

DN 126:31256

TI A New Methodology for Combinatorial Synthesis. Preparation of Diverse Quinoline Derivatives Using a Novel Polymer-Supported Scandium Catalyst

AU Kobayashi, Shu; Nagayama, Satoshi

CS Faculty of Science, Science University of Tokyo (SUT), Tokyo, 162, Japan

SO Journal of the American Chemical Society (1996), 118(37), 8977-8978

CODEN: JACSAT; ISSN: 0002-7863

PB American Chemical Society

DT Journal

LA English

OS CASREACT 126:31256

IT 184226-21-9P

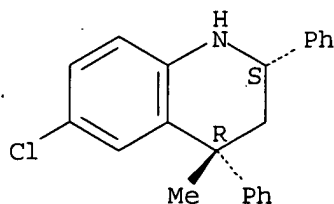
RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of quinoline combinatorial library via poly(allylamine)-supported scandium catalyzed condensation reaction)

RN 184226-21-9 CAPLUS

CN Quinoline, 6-chloro-1,2,3,4-tetrahydro-4-methyl-2,4-diphenyl-,
(2R,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L4 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN

GI For diagram(s), see printed CA Issue.

AB Tetrahydroquinolines I (R = Me, CHMe₂, Pr, n-C₅H₁₁; R₁ = H, 6-Me, 6-OMe,

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8-Me, 5,8-Me₂) were prepared in 29-76% yield by condensing R1C₆N₄NH₂ with PhCMe:CH₂ and RCHO. 2,4-Dimethyl-4-vinyl-1,2,3,4-tetrahydroquinoline was similarly prepared from isoprene and 4-dimethyl derivs. of I from styrene.

AN 1973:515454 CAPLUS
DN 79:115454
TI 1,2,3,4-Tetrahydroquinolines
PA Chemische Werke Huels A.-G.
SO Fr., 15 pp.
CODEN: FRXXAK
DT Patent
LA French
FAN.CNT 2

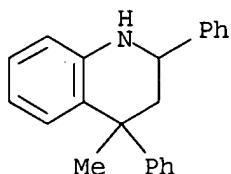
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 1605038	A	19720828	FR 1968-1605038	19681211
	DE 1770170	A	19701223	DE 1967-1770170	19680410
PRAI	DE 1967-1770170	A	19680410		

IT **30312-28-8P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 30312-28-8 CAPLUS

CN Quinoline, 1,2,3,4-tetrahydro-4-methyl-2,4-diphenyl- (9CI) (CA INDEX NAME)



L4 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN

GI For diagram(s), see printed CA Issue.

AB RC₆H₄NH₂ (I) (where R = H, p-Me, p-MeO, p-Cl, o-NO₂, or p-NO₂), R1CHO (II) (where R1 = Me, iso-Pr, C₅H₁₁, or Ph), and R₂C(R₃):CH₂ (III) (where R₂ = H or Me, R₃ = Ph or CH:CH₂) in HOAc and concentrated H₂SO₄ gave by cyclization the

corresponding title compds. (IV). II (R1 = H) gave in this reaction predominantly 1-R₂,1-R₃,7-R₂,7-R₃-tetrasubstituted-2,3,6,7-tetrahydro-1H,5H-benzo[ij]quinolizines (V).

AN 1971:42266 CAPLUS

DN 74:42266

TI Synthesis of 1,2,3,4-tetrahydroquinolines

AU Hesse, Karl D.

CS Forschungslab., Chem. Werke Huels A.-G., Marl, Fed. Rep. Ger.

SO Justus Liebigs Annalen der Chemie (1970), 741, 117-23

CODEN: JLACBF; ISSN: 0075-4617

DT Journal

LA German

OS CASREACT 74:42266

IT **30312-28-8P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

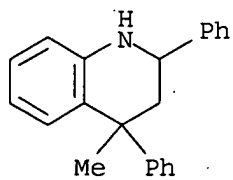
RN 30312-28-8 CAPLUS

CN Quinoline, 1,2,3,4-tetrahydro-4-methyl-2,4-diphenyl- (9CI) (CA INDEX

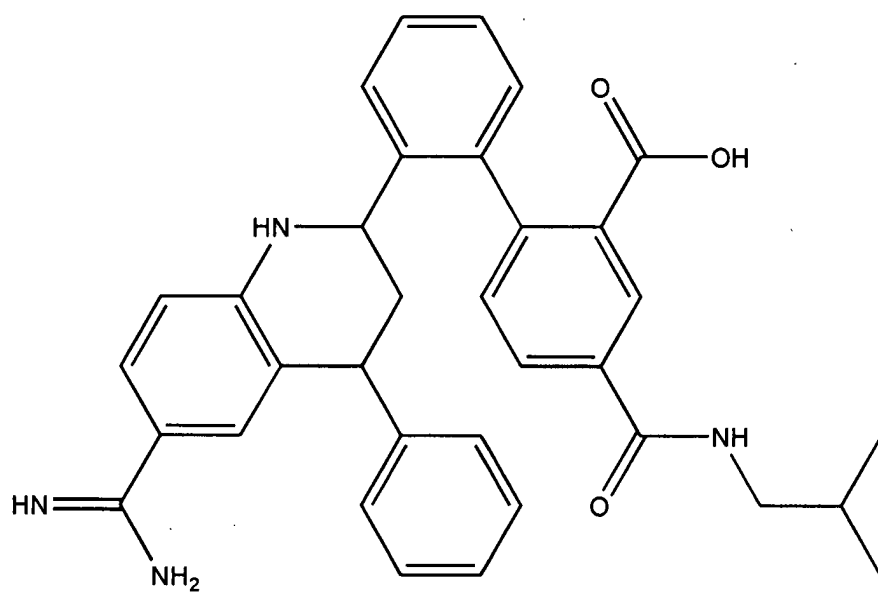
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NAME)



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2'-(6-carbamimidoyl-4-phenyl-1,2,3,4-tetrahydro-quinolin-2-yl)-4-isobutylcarbamoyl-biphenyl-2-carboxylic acid

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L7 FILE 'CAPLUS' ENTERED AT 16:41:39 ON 12 APR 2005
50 S L6

FILE 'REGISTRY' ENTERED AT 16:42:34 ON 12 APR 2005

L8 FILE 'CAPLUS' ENTERED AT 16:42:36 ON 12 APR 2005
STRUCTURE UPLOADED
S L8

L9 FILE 'REGISTRY' ENTERED AT 16:45:58 ON 12 APR 2005
6 S L8

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1 S L9
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94 S L8 FUL

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2 S L11 FUL

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L14 8 S L13 FUL

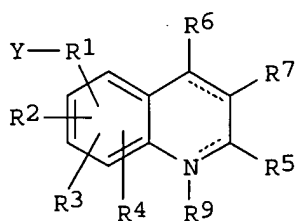
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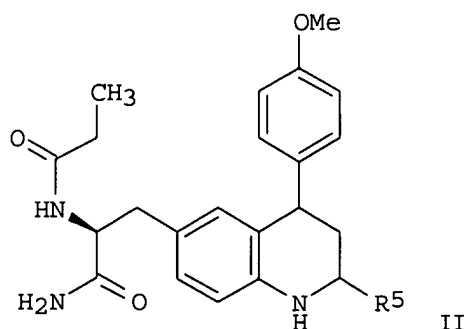
L16 1 L15 NOT L12

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L16 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
GI



I



II

AB The invention relates to novel 4-substituted quinoline derivs. I, their salts, and combinatorial libraries containing mixts. of two or more such compds. [wherein R1 = bond, (un)substituted alk(en/yn)ylene, cycloalk(en)ylene, phenylene, naphthylene, heterocycle, heteroaryl, amino,

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CH₂CONH, (CH₂)_pAr(CH₂)_q, etc.; p, q = 0-6 but both cannot be 0; Ar = (un)substituted Ph or heteroaryl; R₂, R₃, R₄ = H, halo, (un)protected OH, cyano, NO₂, (un)substituted alk(en/yn)yl, alkoxy, cycloalk(en)yl, heterocyclyl, phenylalkyl, Ph, naphthyl, etc.; R₅ = H, (un)substituted alk(en/yn)yl, cycloalk(en)yl, Ph, naphthyl, phenylalkyl, (un)protected CO₂H, acyl, heterocyclyl, etc.; R₆ = H, (un)substituted Ph, naphthyl, 2-oxopyrrolidin-1-yl and higher homologs, (un)substituted NHCHO; R₇ = H, (un)substituted alkyl; Y = CO₂H, OH, SH, NHR₈, CONHR₈, CH₂OH, CH₂NH₂, CH₂NHR₈; R₈ = H, (un)substituted alkyl, or functionalized resin; R₉ = H, (un)substituted alkyl, phenylalkyl, acyl, PhSO₂, alkylsulfonyl, alkylaminocarbonyl, or PhNHCO, or is absent; dotted lines = optional pi bonds]. The invention also relates to the generation of such libraries. In 12 examples, libraries of I ranging in size from 2380 to 39,440 compds. were prepared as mixed sublibraries. Data for control compds. (samples of individually known intermediates and products, cleaved from simultaneously processed control resins) are given for some examples. Both quinoline and tetrahydroquinoline libraries were prepared. For instance, tea-bags of MBHA resin were each coupled with L- or D-N-BOC-p-nitrophenylalanine, the BOC groups were removed from both, and the amino groups were each acylated with 170 carboxylic acids. The acylated, resin-bound products were mixed and reduced at the nitro group, and the amine product mixts. were condensed with 58 different aldehydes and cyclized with 4-methoxystyrene. Cleavage of the resin-bound products with HF gave mixed sublibraries of I. Individual control samples of products, such as II [R₅ = 1-naphthyl, 2,3-difluorophenyl, cyclohexyl, etc.], were obtained by reactions of pure, resin-bound L-N-propanoyl-p-aminophenylalanine control samples with individual aldehydes and 4-methoxystyrene. Potential applications of I (no data) may include use as antibacterials, NMDA antagonists, or analgesics.

AN 1998:543220 CAPLUS

DN 129:175563

TI 4-Substituted quinoline derivatives and 4-substituted quinoline combinatorial libraries

IN Hayes, Thomas K.; Forood, Behrouz; Kiely, John S.

PA Trega Biosciences, Inc., USA

SO PCT Int. Appl., 124 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9834115	A1	19980806	WO 1997-US22391	19971205
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	RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
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EP 977989 A1 20000209 EP 1997-949775 19971205
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IE, FI

US 6262269 B1 20010717 US 1997-795392 A 19970204
WO 1997-US22391 W 19971205
US 1998-17785 19980203
US 1997-126414P P 19970204
US 1997-795392 A 19970204
US 6388081 B1 20020514 US 1999-376670 19990816
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US 1998-17785 A3 19980203

OS MARPAT 129:175563

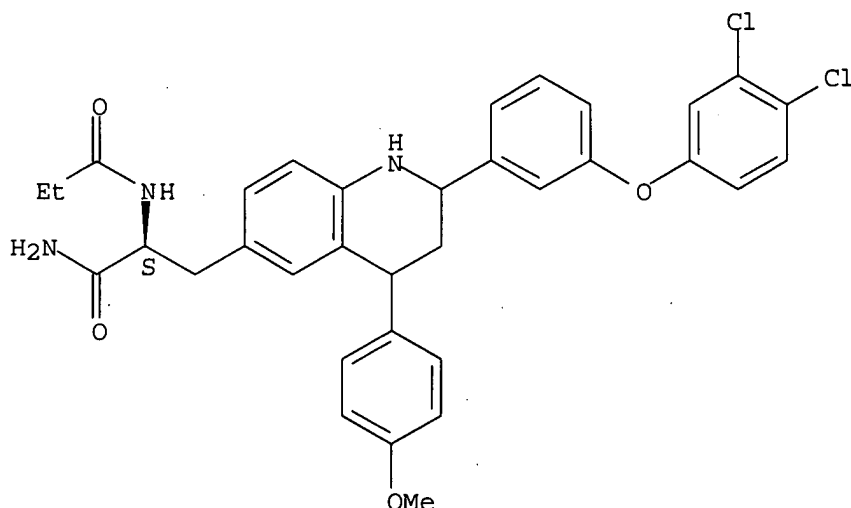
IT 211492-55-6P 211492-67-0P 211493-20-8P
211493-65-1P 211493-73-1P 211494-06-3P
211494-15-4P

RL: SPN (Synthetic preparation); PREP (Preparation)
(resin-cleavage control product; preparation of 4-substituted quinoline
derivs. and combinatorial libraries)

RN 211492-55-6 CAPLUS

CN 6-Quinolinepropanamide, 2-[3-(3,4-dichlorophenoxy)phenyl]-1,2,3,4-
tetrahydro-4-(4-methoxyphenyl)- α -[(1-oxopropyl)amino]-, (α S)-
(9CI) (CA INDEX NAME)

Absolute stereochemistry.

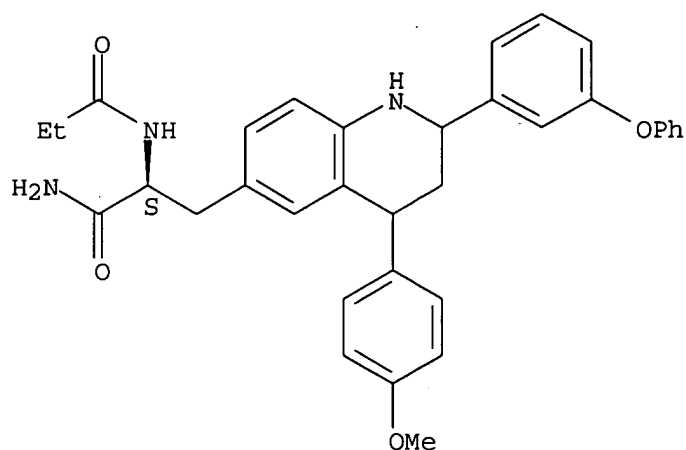


RN 211492-67-0 CAPLUS

CN 6-Quinolinepropanamide, 1,2,3,4-tetrahydro-4-(4-methoxyphenyl)- α -[(1-
oxopropyl)amino]-2-(3-phenoxyphenyl)-, (α S)- (9CI) (CA INDEX NAME)

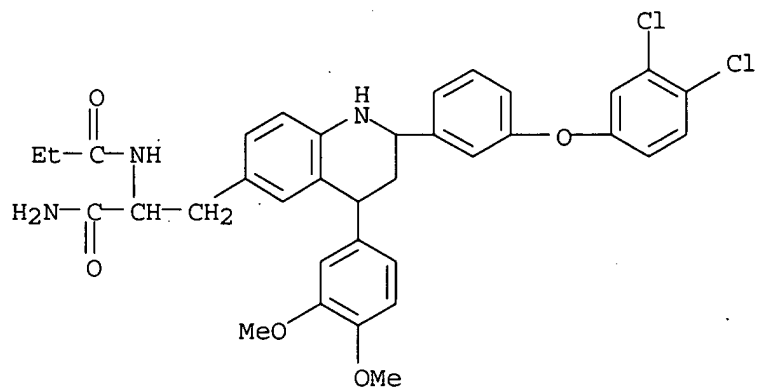
Absolute stereochemistry.

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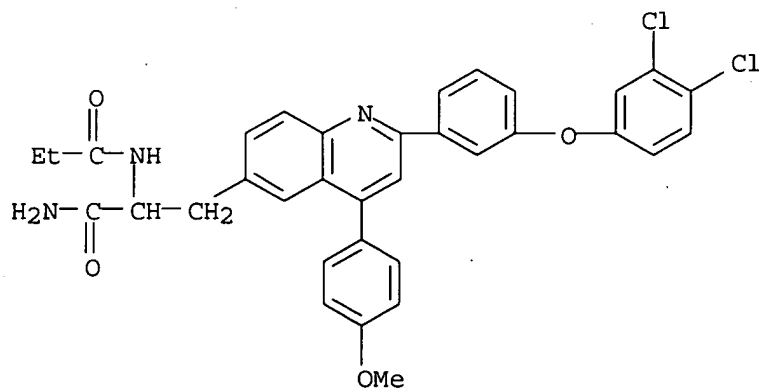
RN 211493-20-8 CAPLUS

CN 6-Quinolinepropanamide, 2-[3-(3,4-dichlorophenoxy)phenyl]-4-(3,4-dimethoxyphenyl)-1,2,3,4-tetrahydro-α-[(1-oxopropyl)amino]- (9CI)
(CA INDEX NAME)



RN 211493-65-1 CAPLUS

CN 6-Quinolinepropanamide, 2-[3-(3,4-dichlorophenoxy)phenyl]-4-(4-methoxyphenyl)-α-[(1-oxopropyl)amino]- (9CI) (CA INDEX NAME)

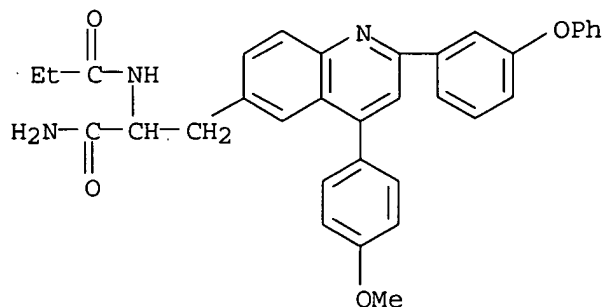


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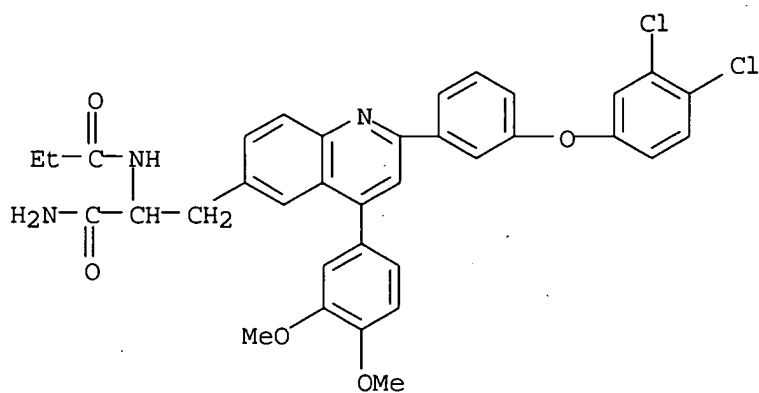
RN 211493-73-1 CAPLUS

CN 6-Quinolinepropanamide, 4-(4-methoxyphenyl)- α -[(1-oxopropyl)amino]-2-(3-phenoxyphenyl)- (9CI) (CA INDEX NAME)



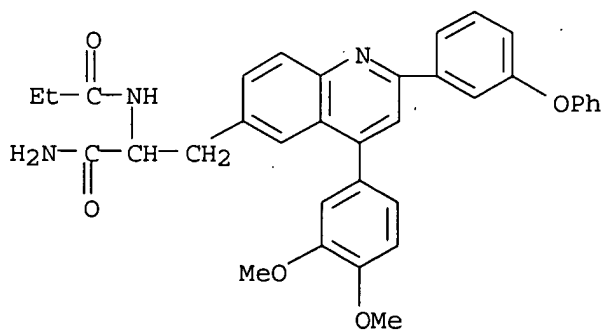
RN 211494-06-3 CAPLUS

CN 6-Quinolinepropanamide, 2-[3-(3,4-dichlorophenoxy)phenyl]-4-(3,4-dimethoxyphenyl)- α -[(1-oxopropyl)amino]- (9CI) (CA INDEX NAME)



RN 211494-15-4 CAPLUS

CN 6-Quinolinepropanamide, 4-(3,4-dimethoxyphenyl)- α -[(1-oxopropyl)amino]-2-(3-phenoxyphenyl)- (9CI) (CA INDEX NAME)



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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=> file registry
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
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FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

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STRUCTURE FILE UPDATES: 11 APR 2005 HIGHEST RN 848290-51-7
DICTIONARY FILE UPDATES: 11 APR 2005 HIGHEST RN 848290-51-7

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*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
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to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

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Uploading C:\Program Files\Stnexp\Queries\10796396.str

L17 STRUCTURE UPLOADED

=> d l17
L17 HAS NO ANSWERS
L17 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l17

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SAMPLE SEARCH INITIATED 16:52:05 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 70 TO ITERATE

100.0% PROCESSED 70 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 899 TO 1901
PROJECTED ANSWERS: 0 TO 0

L18 0 SEA SSS SAM L17

=> s l17 ful
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FULL SCREEN SEARCH COMPLETED - 1248 TO ITERATE

100.0% PROCESSED 1248 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L19 0 SEA SSS FUL L17

=> file registry		
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	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-2.19

FILE 'REGISTRY' ENTERED AT 16:53:33 ON 12 APR 2005
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Property values tagged with IC are from the ZIC/VINITI data file
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STRUCTURE FILE UPDATES: 11 APR 2005 HIGHEST RN 848290-51-7
DICTIONARY FILE UPDATES: 11 APR 2005 HIGHEST RN 848290-51-7

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

Crossover limits have been increased. See HELP CROSSOVER for details.

10796396

4/12/05

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

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L20 STRUCTURE UPLOADED

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L20 HAS NO ANSWERS

L20 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

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100.0% PROCESSED 21771 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01


L21 0 SEA SSS FUL L20

10796396

The Examiner is requested to consider the foregoing information in relation to this application and indicate that each reference was considered by returning a copy of the initialed PTO 1449 form(s).

Respectfully submitted,

Bristol-Myers Squibb Company
Patent Department
P.O. Box 4000
Princeton, NJ 08543-4000
(609) 252-3791



Jing S. Belfield
Agent for Applicants
Reg. No. 45,914

Date: May 25, 2004